

Date: 11<sup>th</sup> June 2025**To:** Medical Equipment Suppliers**Subject:** Request for Quotations and Technical Information for Medical Equipment  
– Ben Tre General Hospital Project (EDCF project) in Vietnam.

Dear who may concern,

The Haeahn Joint Venture, in collaboration with the Ben Tre Provincial Project Management Unit (PMU) for Construction Investment in Civil and Industrial Works, is implementing the Ben Tre General Hospital Project under Contract No. VNM-54/Contract/Haeahn-BenTre dated August 19, 2019.

In accordance with Official Letter No. 414/BQLXD-ODA dated June 6, 2025, we are now inviting medical equipment suppliers who are capable of providing goods for this project. You are hereby invited to submit quotations and technical documentation for relevant medical equipment items.

We kindly request your company to provide the following documents:

1. Technical specifications **of** each equipment item offered (as per from attached)
2. Price quotations (unit price and total price) for each item;
3. A summary table that includes:
  - Name and model of each equipment item,
  - Quantity proposed,
  - Detailed technical specifications,
  - Unit price and total price (please specify whether VAT is included or excluded).
4. Number of item must be kept same as Appendix I

We kindly ask you to submit your complete proposal **no later than June 16, 2025**, electronic format to the following address:

Daedong Medical Consulting Co., Ltd  
Person In Charge: LEE KUN YOUNG  
[Email Address] ceo@dmci.co.kr  
[Phone Number] +82-2-581-2632

We greatly appreciate your interest in contributing to this important public healthcare project and look forward to your response.

Sincerely,

**On behalf of Haeahn Joint Venture**

**APPENDIX I: FORM OF SPECIFICATION**

<b>Item No:</b> <b>255</b>	<b>Name of product: X-ray mammographic system</b>	<b>Tên thiết bị: Máy X-quang chụp vú kỹ thuật số</b>	<b>Reference</b>
	Model: Offered by bidder	Model: Được chào bởi nhà thầu	
	Manufacturer: Offered by bidder	Hãng sản xuất: Được chào bởi nhà thầu	
	Origin: Offered by bidder	Xuất xứ: Được chào bởi nhà thầu	
<b>I</b>	<b>General requirement</b>	<b>Yêu cầu chung</b>	
<b>1</b>	Quality: 100% new, manufactured from 2024 onwards	Thiết bị mới 100%, được sản xuất từ năm 2024 trở về sau	
<b>2</b>	Certificates of Quality management systems: ISO 13485, CE or US FDA	Chứng chỉ chất lượng: ISO 13485, CE hoặc US FDA	
<b>3</b>	Power: 220VAC, 50Hz	Nguồn điện: 220V, 50Hz	
<b>4</b>	Operating ambient temperature: maximum $\geq 30^{\circ}\text{C}$	Nhiệt độ môi trường hoạt động: tối đa $\geq 30^{\circ}\text{C}$	
<b>5</b>	Operating ambient humidity: maximum $\geq 70\%$	Độ ẩm môi trường hoạt động: tối đa $\geq 70\%$	
<b>II</b>	<b>Component for each unit</b>	<b>Cấu hình cho mỗi máy</b>	
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	.....	.....	.....
<b>III</b>	<b>Specification</b>	<b>Thông số kỹ thuật</b>	
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## APPENDIX I: SORT LIST OF MEDICAL EQUIPMENT

*\*Country of origin is for reference only; however, products from Korea will be given priority*

NO	MEDICAL EQUIPMENT LIST IN EN	MEDICAL EQUIPMENT LIST IN VN	ORIGIN RECOMMEND	Qty
1	Treatment table	Bàn điều trị	Korea	30
2	ENT Examination Chair	Bàn điều trị TMH	Korea	2
3	Delivery table	Bàn đỡ đẻ	Korea	3
4	Examination table	Bàn khám	Korea	50
5	Gynaecological examining table	Bàn khám phụ khoa	Korea	2
6	Operating table	Bàn mổ	Korea	10
7	Orthopedic operating table	Bàn mổ chấn thương chỉnh hình	Korea	1
8	Gynecological operating table	Bàn mổ phụ khoa	Korea	1
9	Biopsy/specimen table	Bàn sinh phẩm/mẫu	Korea	1
10	Water bath	Bể ôn nhiệt	Korea	1
11	Mechanical Tool Set	Bộ dụng cụ cơ khí	Korea	3
12	Endotracheal instrument set	Bộ dụng cụ đặt NKQ	Korea	4
13	Tracheotomy instrument set	Bộ dụng cụ mở khí quản	Korea	2
14	Delivery surgical instrument set	Bộ dụng cụ mổ lấy thai	Korea	1
15	Ear operating instrument including: Drill machine + drill bit set + tympanoplasty microsurgical set + Operating microscopy	Bộ dụng cụ phẫu thuật bao gồm: Máy khoan + Bộ mũi khoan + bộ vi phẫu màng nhĩ + Kính hiển vi phẫu thuật	Other countries	1
16	Arm Operating Surgical Instruments set	Bộ dụng cụ phẫu thuật cánh tay	Korea	1
17	Lower Limb Surgical Instrument Set	Bộ dụng cụ phẫu thuật chi dưới	Korea	1
18	Spine operating instrument set	Bộ dụng cụ phẫu thuật cột sống	Korea	2
19	Gastric Surgical Instrument Set	Bộ dụng cụ phẫu thuật dạ dày	Korea	1
20	Major surgical instrument set	Bộ dụng cụ phẫu thuật đại phẫu	Korea	1
21	Implant operating instrument set	Bộ dụng cụ phẫu thuật implant	Korea	1
22	Operating instrument set for venotomy	Bộ dụng cụ phẫu thuật mạch máu	Korea	2
23	Ophthalmotomy instrument set	Bộ dụng cụ phẫu thuật mắt	Korea	1
24	Operating instrument set for nasal cavity	Bộ dụng cụ phẫu thuật mũi xoang	Korea	1
25	Endoscopic Surgical Instruments for nasal cavity	Bộ dụng cụ phẫu thuật nội soi khoang mũi	Korea	1
26	Maxillo facial surgical instrument set	Bộ dụng cụ phẫu thuật răng hàm mặt	Korea	1

NO	MEDICAL EQUIPMENT LIST IN EN	MEDICAL EQUIPMENT LIST IN VN	ORIGIN RECOMMEND	Qty
27	Aesthetic and beauty surgery instrument set	Bộ dụng cụ phẫu thuật thẩm mỹ và làm đẹp	Korea	1
28	Operating instrument set for nervous	Bộ dụng cụ phẫu thuật thần kinh	Korea	1
29	Nervous – brain surgery instrument set	Bộ dụng cụ phẫu thuật thần kinh sọ não	Korea	1
30	Operating instrument set for larynx	Bộ dụng cụ phẫu thuật thanh quản	Korea	1
31	Urology surgery instrument set	Bộ dụng cụ phẫu thuật tiết niệu	Korea	1
32	Micro operating instrument set for ear	Bộ dụng cụ phẫu thuật tiểu phẫu tai	Korea	1
33	Cardiac-vascular operating instrument set	Bộ dụng cụ phẫu thuật tim mạch	Korea	1
34	ENT surgery instrument set	Bộ dụng cụ phẫu thuật TMH	Korea	1
35	Infant and children surgical instrument set	Bộ dụng cụ phẫu thuật trẻ em và trẻ sơ sinh	Korea	1
36	Medium surgical instrument set	Bộ dụng cụ phẫu thuật trung phẫu	Korea	1
37	Cholecystectomy operating instrument set	Bộ dụng cụ phẫu thuật túi mật	Korea	1
38	Thyroid surgery instrument set	Bộ dụng cụ phẫu thuật tuyến giáp	Korea	1
39	Prostatectomy operating instrument set	Bộ dụng cụ phẫu thuật tuyến tiền liệt	Korea	1
40	Microsurgery operating instrument set	Bộ dụng cụ phẫu thuật vi phẫu	Other countries	1
41	VIT surgery instrument set	Bộ dụng cụ phẫu thuật VIT	Korea	1
42	Minor surgical instrument set	Bộ dụng cụ tiểu phẫu	Korea	4
43	Minor surgery instrument set for soft tissue	Bộ dụng cụ tiểu phẫu mô mềm	Korea	2
44	Minor Dental Surgery Instrument Set	Bộ dụng cụ tiểu phẫu răng	Korea	2
45	Synoptophore	Bộ khám và chữa mắt lé	Other countries	1
46	Bronchofiberscope	Bộ nội soi phế quản ống mềm	Other countries	1
47	Choledocho fiberscope	Bộ soi đường mật	Other countries	1
48	Ethylene Oxide (EO) Gas Sterilizer	Bộ xử lý khí EO	Korea	1
49	Electric syringe pump	Bơm tiêm điện	Korea	33
50	Syringe Pump TCI	Bơm tiêm điện có kiểm soát nồng độ TCI	Korea	8
51	TCI/TIVA electric syringe	Bơm tiêm điện TCI/TIVA	Other countries	2
52	Infusion pump	Bơm truyền dịch	Korea	48
53	Paraffin dispenser	Bồn Paraffin	Other countries	2
54	Surgical scrub station for two persons	Bồn rửa tay cho phẫu thuật viên, 2 người	Korea	4
55	Hydro therapy apparatus	Bồn thủy trị liệu	Korea	1
56	Ambu bag	Bóng bóp ambu	Korea	50
57	Ambu bag for children	Bóng bóp ambu trẻ em	Korea	6
58	Weighing scale for measure rod	Cân có thước đo	Korea	2

NO	MEDICAL EQUIPMENT LIST IN EN	MEDICAL EQUIPMENT LIST IN VN	ORIGIN RECOMMEND	Qty
59	Weighing scale, 120kg	Cân có thước đo 120kg	Korea	2
60	Weighing scale for new-born	Cân có thước đo cho trẻ sơ sinh	Korea	3
61	Technical balance 0.1 gr	Cân kỹ thuật 0,1g	Korea	1
62	Analytical balance 0.1 mg	Cân phân tích 0,1mg	Korea	1
63	Emergency cart	Cáng đẩy cấp cứu	Korea	20
64	Microtome blade	Dao cắt tiêu bản	Other countries	1
65	Electric surgical unit	Dao mổ điện	Korea	2
66	Electro Surgical Unit for Dental	Dao mổ điện cho răng	Korea	1
67	Electrosurgical Unit with Vessel Sealing Function	Dao mổ điện có chức năng hàn mạch	Korea	1
68	Phototherapy lamp for jaundice	Đèn điều trị vàng da	Korea	5
69	X-ray film illuminator	Đèn đọc film X- Quang	Korea	2
70	Head Light	Đèn Head light	Korea	1
71	Infrared lamp for therapy	Đèn hồng ngoại trị liệu	Korea	5
72	Side Lamp	Đèn khe	Korea	2
73	Slit Lamp with Digital Camera	Đèn khe kèm máy ảnh	Korea	2
74	Celling Operating Light	Đèn mổ treo trần	Korea	4
75	Indirect ophthalmoscope	Đèn soi đáy mắt gián tiếp	Other countries	1
76	Digital Ophthalmoscope Camera	Đèn soi đáy mắt kỹ thuật số kèm camera	Korea	1
77	Direct ophthalmology meter	Đèn soi đáy mắt trực tiếp	Other countries	4
78	Laryngoscope for adult	Đèn soi thanh quản cho người lớn	Korea	2
79	Laryngoscope for children	Đèn soi thanh quản cho trẻ em	Korea	2
80	Curing light lamp	Đèn trị liệu ánh sáng	Korea	2
81	Clamp Ampermeter	Đồng hồ amper kẹp (loại kẹp)	Korea	1
82	Digital Multimeter	Đồng hồ đa năng	Korea	3
83	Pneumatic Tourniquet	Garô hơi	Korea	1
84	E.N.T treatment chair	Ghế khám TMH	Korea	1
85	Patient bed	Giường bệnh	Korea	495
86	Electric Patient bed	Giường bệnh nhân chạy điện	Korea	45
87	Emergency bed	Giường cấp cứu	Korea	15
88	Post delivery recovered bed	Giường hồi sức sau đẻ	Korea	5
89	Automatic Blood Culture System	Hệ thống cấy máu tự động	Other countries	1
90	C-arm X-ray system	Hệ thống chụp C-Arm	Korea	2
91	Digital Angiography system	Hệ thống chụp mạch xóa nền DSA	Other countries	1
92	Cell electrophoresis system	Hệ thống điện di tế bào	Other countries	1
93	Cell electrophoresis system	Hệ thống điện di tế bào	Other countries	1
94	Microbial identification system and antibiotic susceptibility testing	Hệ thống định danh vi khuẩn và kháng sinh đồ	Other countries	1
95	Automatic Tablet Distributing &Packing System	Hệ thống đóng gói và phân bổ thuốc tự động	Korea	1
96	Elisa system Automatic	Hệ thống ELISA tự động	Other countries	1

NO	MEDICAL EQUIPMENT LIST IN EN	MEDICAL EQUIPMENT LIST IN VN	ORIGIN RECOMMEND	Qty
97	Stretching system of spinal column, neck, chest, back	Hệ thống kéo dẫn cột sống, cổ, ngực, lưng	Korea	1
98	Medical gas system	Hệ thống khí y tế (Khí nén, hút chân không, o xy)	Korea	1
99	Cystoscope system	Hệ thống nội soi bàng quang	Other countries	1
100	Diagnostic Endoscopy System	Hệ thống nội soi chẩn đoán	Other countries	1
101	VIDEO system (for children)	Hệ thống nội soi chẩn đoán cho trẻ em	Other countries	1
102	Gastrofiberscope system	Hệ thống nội soi dạ dày	Other countries	4
103	Colonofiberscope system	Hệ thống nội soi đại tràng	Other countries	4
104	Bronchus endoscopy system	Hệ thống nội soi khí phế quản	Other countries	1
105	Nasalscope	Hệ thống nội soi mũi xoang	Other countries	1
106	Laparoscope with video system	Hệ thống nội soi ổ bụng	Other countries	3
107	PACS system	Hệ thống PACS	Korea	1
108	PCR system	Hệ thống PCR	Korea	1
109	laparoscopic surgery and endoscopy instrument for obstetrics + urinary + digest	Hệ thống phẫu thuật nội soi cho Sản + Tiết niệu + Tiêu hóa	Other countries	4
110	Phacoemulsification system	Hệ thống phẫu thuật Phaco	Other countries	1
111	3D ultrasonic system	Hệ thống siêu âm 3D	Korea	1
112	Stress ultrasound system	Hệ thống siêu âm gắng sức	Korea	1
113	Hệ thống siêu âm màu kỹ thuật số Doppler 4D	Hệ thống siêu âm màu kỹ thuật số Doppler 4D	Korea	1
114	Endoscope hanging larynx	Hệ thống soi treo thanh quản	Korea	1
115	Endoscopic lithotripsy system	Hệ thống tán sỏi nội soi	Other countries	1
116	Radiographic and fluoroscopic X-ray TV.system, > 500ma; 2X- ray tubes and 2 tables	Hệ thống X-quang tăng sáng truyền hình > 500 mA, 2 bàn 2 bóng	Korea	1
117	Clean box	Hộp sạch	Korea	3
118	Electric Drill	Khoan điện cầm tay	Korea	3
119	Head frame for operating	Khung cố định đầu cho phẫu thuật	Korea	1
120	Binocular microscope	Kính hiển vi hai mắt	Other countries	8
121	Fluorescent binocular microscope	Kính hiển vi huỳnh quang hai mắt	Other countries	1
122	Microscope with camera	Kính hiển vi kèm Camera	Other countries	2
123	Surgical Microscopes	Kính hiển vi phẫu thuật	Other countries	1
124	Operating microscope for ophthalmology	Kính hiển vi phẫu thuật mắt	Other countries	1
125	Operating microscope for ophthalmology	Kính hiển vi phẫu thuật mắt	Korea	1
126	Surgical microscope for ENT	Kính hiển vi phẫu thuật TMH	Korea	1
127	Infant incubator	Lò ấp trẻ sơ sinh	Korea	8
128	Infant incubator Portable (transportation)	Lò ấp trẻ sơ sinh di động	Korea	1
129	Densitometer	Mật độ kế	Korea	1
130	Vitreotomy equipment	Máy cắt dịch kính	Other countries	1
131	Electric surgical unit	Máy cắt đốt	Other countries	1
132	Frozen microtome (cryostate)	Máy cắt lạnh	Other countries	1

NO	MEDICAL EQUIPMENT LIST IN EN	MEDICAL EQUIPMENT LIST IN VN	ORIGIN RECOMMEND	Qty
133	Water distilled apparatus 20L/h	Máy cất nước 20L/h	Korea	1
134	Microtome	Máy cắt tiêu bản	Other countries	2
135	Acupuncture apparatus	Máy châm cứu	Korea	6
136	CT-scanner system with contrast media injector 128 slices	Máy chụp cắt lớp CT- 128 lát cắt kèm thiết bị tiêm thuốc cản quang	Other countries	1
137	OCT (Optical Coherence Tomography)	Máy chụp cắt lớp võng mạc	Other countries	1
138	MRI (magnetic resonance imaging system) 1.5tesla	Máy chụp MRI 1,5 Tesla	Other countries	1
139	Digital X-Ray system	Máy chụp X-Quang	Korea	1
140	Digital X-Ray system 2X- ray tubes and 2 tables	Máy chụp X-Quang 2 bóng phát tia và 2 bàn	Korea	1
141	Electric Saw	Máy cưa điện	Korea	3
142	Electrolyte Analyzer	Máy điện giải	Other countries	1
143	Electrocardiograph	Máy điện tim	Korea	17
144	Personal electrocardiograph	Máy điện tim cá nhân	Korea	1
145	Electrocardiography for stress testing	Máy điện tim gắng sức	Korea	2
146	Electro magnetic therapy apparatus	Máy điều trị điện từ trường	Korea	2
147	Ultrasound treatment machine	Máy điều trị siêu âm	Korea	4
148	Pulsed-continuous microwave therapy apparatus	Máy điều trị sóng xung liên tục	Korea	2
149	Low frequency therapy apparatus	Máy điều trị tần số thấp	Korea	2
150	Magnetic therapy machine	Máy điều trị từ trường	Korea	4
151	Respiratory function apparatus	Máy đo chức năng hô hấp	Korea	1
152	Uterine Contraction Monitor	Máy đo cơn co	Korea	6
153	Cardiac output apparatus	Máy đo cung lượng tim	Korea	1
154	Automatic Keratometer	Máy đo độ cong giác mạc tự động	Korea	1
155	Automatic blood coagulator apparatus	Máy đo độ đông máu tự động	Other countries	1
156	Bone mineral densitomete	Máy đo độ loãng xương	Korea	1
157	Pulse Oximeter	Máy đo độ oxy bão hòa	Korea	2
158	Portable pulse oxy meter	Máy đo độ oxy bão hòa cầm tay	Korea	1
159	Blood glucose metter	Máy đo đường huyết	Korea	1
160	HbA1C machine	Máy đo HbA1C	Korea	1
161	Stand blood pressure	Máy đo huyết áp	Korea	20
162	Sphygmomanometer for adult	Máy đo huyết áp người lớn	Korea	2
163	Non-contact tonometer	Máy đo nhãn áp không tiếp xúc	Korea	1
164	Tympanometer	Máy đo nhĩ lượng	Other countries	1
165	pH meter	Máy đo pH	Other countries	3
166	Whole-Body Plethysmograph	Máy đo phế dung kế toàn thân	Other countries	2
167	SPO2 metter	Máy đo SpO2	Korea	10
168	Visual acuity tester	Máy đo thị lực	Korea	1

NO	MEDICAL EQUIPMENT LIST IN EN	MEDICAL EQUIPMENT LIST IN VN	ORIGIN RECOMMEND	Qty
169	Visual field perimeter	Máy đo thị trường	Korea	1
170	Erythrocyte sedimentation rate mete	Máy đo tốc độ lắng máu	Other countries	1
171	Encephalo circulation unit	Máy đo tuần hoàn não	Other countries	1
172	Doppler foetal apparatus	Máy Doppler tim thai	Korea	4
173	TCD(TransCranial Doppler )	Máy doppler xuyên sọ	Other countries	1
174	Stress Test ECG Machine	Máy ECG cho kiểm tra gắng sức	Korea	1
175	Anesthesia Unit	Máy gây mê	Korea	5
176	Dental chair unit	Máy ghế răng	Korea	6
177	Electromyography	Máy ghi điện cơ	Other countries	1
178	Electrocardiograph (12 channels with analysis software)	Máy ghi điện tim (12 kênh cùng với phần mềm phân tích)	Korea	2
179	Electrocardiograph, different types	Máy ghi điện tim, các kiểu khác nhau	Korea	1
180	Cloth washer 100 kg	Máy giặt công nghiệp 100kg	Korea	2
181	Cloth washer 50 kg	Máy giặt công nghiệp 50kg	Korea	1
182	Autoclave 350L (01 door)	Máy hấp tiệt trùng 1 cửa 350L	Korea	1
183	Autoclave 750L (01 door)	Máy hấp tiệt trùng 1 cửa 700 lít	Korea	1
184	Autoclave 300L (02 doors)	Máy hấp tiệt trùng 2 cửa 300 lít	Korea	1
185	Autoclave 750L (02 doors)	Máy hấp tiệt trùng 2 cửa 750 lít	Korea	2
186	Autoclave, capacity: 50 – 70L	Máy hấp tiệt trùng dung tích 50~70 lít	Korea	11
187	Plasma Autoclave 100L	Máy hấp tiệt trùng plasma 100L	Korea	1
188	Plasma Autoclave 30L	Máy hấp tiệt trùng plasma 30L	Korea	1
189	Oscilloscope	Máy hiện sóng	Korea	2
190	Dehumidifier	Máy hút ẩm	Korea	3
191	Electric suction pump	Máy hút dịch	Korea	39
192	Electric suction pump for newborn	Máy hút điện cho trẻ sơ sinh	Korea	3
193	Electric continuous suction pump	Máy hút điện liên tục	Other countries	5
194	Syringe annul apparatus	Máy hủy bơm kim tiêm	Korea	10
195	Film Printer	Máy in film	Other countries	1
196	Javal keratometer	Máy javal kế	Korea	1
197	Ultrasonic nebulizer	Máy khí dung siêu âm	Korea	2
198	Drill Machine	Máy khoan	Korea	3
199	Bone drilling using in orthopedic surgery and spine surgery	Máy khoan xương sử dụng cho phẫu thuật chỉnh hình và phẫu thuật xương sống	Other countries	3
200	Defibrillator	Máy khử rung tim	Korea	13
201	Defibrillator (with Peacemaker)	Máy khử rung tim có điều hòa nhịp tim	Korea	4
202	Magnetic stirrer	Máy khuấy từ	Korea	1
203	Electrical Stimulator	Máy kích thích	Korea	1

NO	MEDICAL EQUIPMENT LIST IN EN	MEDICAL EQUIPMENT LIST IN VN	ORIGIN RECOMMEND	Qty
204	Electro-stimulator	Máy kích thích điện	Korea	1
205	Neuromuscular stimulator	Máy kích thích thần kinh cơ	Other countries	1
206	Iron machine, rolling type	Máy là kiểu lô	Korea	1
207	Iron machine, compressor type	Máy là, kiểu ép	Korea	1
208	Electric shaker	Máy lắc điện	Korea	1
209	Electric shaker for blood tube	Máy lắc ống máu	Korea	2
210	Thrombosshaker	Máy lắc tiểu cầu	Korea	1
211	Slide warmer	Máy làm ấm slide	Korea	1
212	Laser acupuncture apparatus	Máy laser châm cứu	Korea	2
213	CO2 Laser Apparatus	Máy Laser CO2	Korea	1
214	Laser therapy apparatus	Máy laser điều trị	Korea	6
215	Laser intravascular	Máy laser nội mạch	Korea	2
216	Laser YAG machine	Máy Laser YAG	Other countries	1
217	Multi-function centrifuge	Máy li tâm đa năng	Korea	6
218	Continuous Renal Replacement Therapy Apparatus	Máy lọc máu liên tục	Other countries	1
219	Continuous blood purification machine for Adult	Máy lọc máu liên tục cho người lớn	Other countries	1
220	Centrifuge	Máy ly tâm	Korea	1
221	Hematocrite centrifuge, 24 capillaries	Máy ly tâm máu 24 ống	Korea	2
222	Urine centrifuge	Máy ly tâm nước tiểu	Korea	1
223	Oil compresor	Máy nén khí	Korea	6
224	Slide staining machine	Máy nhuộm tiêu bản	Korea	1
225	Automatic biochemistry analyzer	Máy phân tích hóa sinh tự động	Other countries	2
226	Automatic blood cell counter 18 or 22 parameters	Máy phân tích huyết học tự động 18 hoặc 22 thông số	Other countries	1
227	Blood gas analyzer	Máy phân tích khí máu	Other countries	2
228	Automatic immunology analyzer	Máy phân tích miễn dịch tự động	Other countries	1
229	Automatic urine analyzer 10 parameters	Máy phân tích nước tiểu tự động 10 thông số	Korea	1
230	A.V.R 5kW	Máy phát điện 5kW	Korea	1
231	Standby power generator system 300 KVA	Máy phát điện dự phòng 300KVA	Korea	1
232	Endoscopy washing machine	Máy rửa dụng cụ nội soi	Korea	1
233	Ultrasound washer (for endoscopy instrument)	Máy rửa dụng cụ nội soi siêu âm	Korea	1
234	Endoscope washer	Máy rửa ống nội soi	Korea	2
235	Ultrasound washer (200-300 l)	Máy rửa siêu âm (200~300L)	Korea	1
236	Dressing dryer, 100 kg	Máy sấy quần áo 100kg	Korea	1
237	Ultrasound diagnostic apparatus	Máy siêu âm chuẩn đoán	Korea	1
238	2D Ultrasonic system	Máy siêu âm chuẩn đoán 2D	Korea	1
239	Ultrasound probe nerves , blood vessels	Máy siêu âm đầu dò thần kinh, mạch máu	Other countries	1

NO	MEDICAL EQUIPMENT LIST IN EN	MEDICAL EQUIPMENT LIST IN VN	ORIGIN RECOMMEND	Qty
240	Therapy ultrasonic apparatus	Máy siêu âm điều trị	Korea	1
241	A-B echo scanner	Máy siêu âm mắt A-B	Other countries	1
242	Portable ultrasound apparatus	Máy siêu âm xách tay	Korea	1
243	Colposcope	Máy soi cổ tử cung	Korea	2
244	Automatic Platelet separation machine	Máy tách tiểu cầu tự động	Korea	1
245	Mobile oxygen concentrator	Máy tạo ô xy di động	Korea	1
246	Ventilator	Máy thở	Korea	17
247	Ventilator for children	Máy thở trẻ em	Korea	2
248	EO gas Sterilizer	Máy tiệt trùng nhiệt độ thấp sử dụng khí EO	Korea	1
249	Echo-encephalographic	Máy vang não đồ	Korea	1
250	Mobile x-ray radiographic apparatus	Máy X-Quang di động	Korea	1
251	Dental x-ray machine	Máy X-Quang răng	Korea	1
252	Parorama photography machine	Máy X-Quang răng toàn cảnh	Korea	1
253	General radiographic x-ray, 300mA	Máy X-quang thường quy 300 mA	Korea	1
254	X-ray mammographic system	Máy X-Quang vú	Korea	1
255	DR processing film	Máy xử lý film kỹ thuật số	Korea	1
256	Patient Monitor	Monitor theo dõi bệnh nhân	Korea	50
257	Patient Monitor(Portable)	Monitor theo dõi bệnh nhân (di động)	Korea	1
258	Light Source	Nguồn sáng	Korea	1
259	Thermometer	Nhiệt kế điện tử	Other countries	5
260	Amnioscope	Ống soi màng ối	Other countries	1
261	Sirus telescope 4mm	ống soi mắt	Korea	1
262	Otoscope	Ống soi tai	Other countries	5
263	Laryngoscope	Ống soi thanh quản	Korea	3
264	Spirometer	Phế dung kế	Korea	1
265	Auto-Pipette (P10, P20, P100, P1000) ml	Pipet tự động (P10, P20, P100, P1000) ml	Other countries	2
266	Pipette man, different type	Pipet, các loại khác nhau	Other countries	2
267	Root ZX	Root ZX	Korea	1
268	Handpiece for Implant	Tay khoan cấy Implant	Korea	1
269	Hyper HypoThermia	Thiết bị điều hòa thân nhiệt	Other countries	2
270	Audiogram meter	Thiết bị đo thính lực	Korea	1
271	Endo Unit	Thiết bị Endo	Other countries	1
272	Therma therapy apparatus	Thiết bị nhiệt trị liệu	Korea	1
273	Slide staining machine	Thiết bị nhuộm tiêu bản	Korea	5
274	Electric Repairing	Thiết bị sửa chữa điện	Korea	1
275	Interferential therapy apparatus	Thiết bị trị liệu bằng giao thoa	Korea	1
276	Short-wave therapy apparatus	Thiết bị trị liệu sóng ngắn	Korea	2
277	UV Therapy Apparatus	Thiết bị trị liệu UV	Korea	1
278	Freezer incubator 40C - 370C	Tủ âm +4°C ~ 37°C	Korea	1
279	Incubator 370C - 560C	Tủ âm 37°C ~ 56°C	Korea	1
280	CO2 incubator	Tủ âm CO2	Korea	1
281	Electric incubator	Tủ âm điện	Korea	1

NO	MEDICAL EQUIPMENT LIST IN EN	MEDICAL EQUIPMENT LIST IN VN	ORIGIN RECOMMEND	Qty
282	Pharmaceutical Refrigerator	Tủ bảo quản dược	Korea	3
283	Laparoscope cabinet	Tủ bảo quản ống nội soi	Korea	4
284	Mortuary refrigerator (4 bodies)	Tủ bảo quản tử thi (4 tử thi)	Korea	1
285	Toxic gas and vapor flow hood	Tủ hút khí độc	Korea	2
286	Deep-refrigerator – 300C	Tủ lạnh âm sâu -30°C	Korea	1
287	Deep-refrigerator – 300C 250L	Tủ lạnh âm sâu -30°C dung tích 250 lít	Korea	1
288	Chemical refrigerator	Tủ lạnh bảo quản hóa chất	Korea	1
289	Refrigerator – 300C 250L	Tủ lạnh bảo quản máu -30°C, 250 lít	Korea	2
290	Refrigerator for blood keeping	Tủ lạnh trữ máu	Korea	1
291	Refrigerator for blood keeping 250 lit	Tủ lạnh trữ máu 250 lít	Korea	2
292	Anaerobic bacterium culture cabinet	Tủ nuôi cấy cho vi khuẩn kỵ khí	Korea	1
293	Bacterium culture cabinet	Tủ nuôi cấy vi khuẩn	Korea	1
294	Compounding Cabinet	Tủ pha chế	Korea	2
295	Electric oven 2500C	Tủ sấy điện 250°C	Korea	2
296	Electric oven 2500C, high capacity	Tủ sấy điện 250°C, dung tích cao	Korea	2
297	Electric oven 2500C, low capacity	Tủ sấy điện 250°C, dung tích thấp	Korea	1
298	Electric oven 300°C	Tủ sấy điện 300°C	Korea	5
299	Paraffin oven	Tủ sấy Paraffin	Other countries	1
300	Exerciser bicycle	Xe đạp tập vận động	Korea	2
301	Strether Cart	Xe đẩy	Korea	20
302	Medication cart	Xe đẩy cấp thuốc	Korea	30
303	Dressing cart	Xe đẩy quần áo	Korea	100
304	Car 7 sits	Xe ô tô 7 chỗ	Korea	1
305	Ambulance Car	Xe ô tô cứu thương	Korea	2
				<b>1631</b>

**APPENDIX II. BASIC TECHNICAL SPECIFICATION**

*(The specifications are for reference only, please choose the specifications that are suitable for modern equipment and serve the 500G provincial general hospital. If any of the following parameters are unreasonable, please choose another suitable parameter.)*

**LIST OF MEDICAL EQUIPMENT UNDER THE BEN TRE PROVINCIAL  
GENERAL HOSPITAL CONSTRUCTION PROJECT**

(Attached to Official Dispatch No. 1357/BVNDC-VTTBYT dated June 5, 2025, from  
Nguyen Dinh Chieu Hospital)

No	Item name	Origin	QTy	Specification
1	CT-scanner system with contrast media injector 128 slices	Third country	1	<p><b>1. General Requirements</b></p> <ul style="list-style-type: none"> <li>• Year of manufacture: 2024 or later</li> <li>• Condition: 100% brand new</li> <li>• Quality certifications: ISO 13485, FDA</li> <li>• Operating environment: Suitable for Vietnam's climate               <ul style="list-style-type: none"> <li>○ Maximum temperature: 26°C</li> <li>○ Maximum humidity: 60%</li> </ul> </li> <li>• Power supply: 3-phase 380V/220V; 50 Hz</li> </ul> <p><b>2. Configuration Includes:</b></p> <p><b>Main System Components:</b></p> <ol style="list-style-type: none"> <li>1. Gantry</li> <li>2. X-ray tube</li> <li>3. Detector</li> <li>4. Patient table</li> <li>5. High-voltage generator cabinet</li> <li>6. Control, reconstruction, and image processing system, including 02 monitors</li> <li>7. Gantry-mounted monitor</li> <li>8. Intercom system and laser positioning device integrated into the gantry</li> <li>9. Synchronized image processing workstation               <ul style="list-style-type: none"> <li>○ Includes general scanning software</li> <li>○ Includes advanced image processing software and functions</li> </ul> </li> </ol> <p><b>Accessories:</b></p> <ol style="list-style-type: none"> <li>1. Phantom and phantom holder for system calibration</li> <li>2. Operator's desk and chair</li> <li>3. Patient positioning cushions, tabletop cushion, and patient straps</li> <li>4. Two-way intercom system</li> <li>5. X-ray warning light connection installed at the room entrance</li> <li>6. Patient monitoring system with screen and camera</li> <li>7. Internal network connection system</li> <li>8. Online UPS, 6kVA for control unit</li> <li>9. Operation and maintenance manuals</li> </ol>

				10. Single-head contrast media injector 11. Lead apron 12. Dry film printer
2	Digital X-Ray system 2X- ray tubes and 2 tables	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• 100% brand new equipment</li> <li>• Year of manufacture: 2024 or later, brand new</li> <li>• Power supply: 380 V <math>\pm</math>10% / 3-phase; 220 V <math>\pm</math>10% / single-phase; 50 Hz</li> <li>• Operating environment: Suitable for Vietnam's climate</li> </ul> <p><b>II. Supplied Configuration:</b>  <b>High-frequency Digital Radiography (DR) System with Standard Accessories, including:</b></p> <p>1. <b>Main High-Frequency General Radiography System (Main Unit):</b></p> <ul style="list-style-type: none"> <li>• High-voltage generator control cabinet (including starter unit): 01 unit</li> <li>• X-ray tubes and accessories: 02 units</li> <li>• Collimators: 02 units</li> <li>• Patient tables (including grid): 02 units</li> <li>• Tube support stands: 02 units</li> <li>• Chest stands (including grid): 02 units</li> </ul> <p>2. <b>Digital Image Acquisition and Processing System:</b></p> <ul style="list-style-type: none"> <li>• Digital X-ray detectors, equivalent or better: 02 panels</li> <li>• Image processing software: Control, acquisition, and processing software (included with the main system: Mini PACS software): 01 set</li> <li>• Computer system</li> <li>• Dry film printer</li> <li>• Online UPS 3 kVA: 01 unit</li> </ul> <p>Operation manuals in both English and Vietnamese: 01 set</p>
3	Mobile x-ray radiographic apparatus	Korea	1	<p><b>+ Equipment must be 100% brand new, manufactured in 2024 or later</b></p> <p><b>+ Guarantee that the equipment operates properly under Vietnam's temperature and humidity conditions</b></p> <p><b>Operating environment:</b></p> <ul style="list-style-type: none"> <li>○ Maximum temperature: 40°C</li> <li>○ Maximum humidity: 85%</li> </ul> <p><b>+ Radiation safety inspection required for equipment subject to mandatory inspection under Ministry of Health regulations</b></p> <p><b>Supplied Configuration</b></p> <ul style="list-style-type: none"> <li>• Mobile X-ray machine and accessories: 01 unit</li> <li>• Integrated high-frequency X-ray generator (built into the machine): 01 unit</li> <li>• X-ray tube (pre-installed): 01 unit</li> <li>• Collimator (pre-installed): 01 unit</li> <li>• Built-in mobile trolley: 01 unit</li> <li>• Exposure switch (handheld): 01 unit</li> <li>• Power cord (integrated into the machine): 01 unit</li> </ul>

				<ul style="list-style-type: none"> <li>Operation manual in English and Vietnamese: 01 set</li> </ul> <b>Digital Image Acquisition and Processing System</b> <ul style="list-style-type: none"> <li>Digital X-ray detector, 17" x 17" or equivalent/better: <b>02 panels</b></li> </ul> Image processing software: Control, acquisition, and processing software (included with the main system, with Mini PACS software): 01 set
4	3D ultrasonic system	Korea	1	<b>I. Compliance with General Requirements:</b> <ul style="list-style-type: none"> <li>Year of manufacture: 2024 or later</li> <li>Condition: 100% brand new</li> <li>Operating environment: Suitable for Vietnam's climate</li> <li>Power supply: 220V ±10% AC, 50Hz</li> </ul> <b>II. Supplied Configuration Includes:</b> <ul style="list-style-type: none"> <li>Trolley-based color ultrasound machine: 01 unit</li> <li>Convex probe: 01 unit</li> <li>Linear probe: 01 unit</li> <li>Adult sector probe: 01 unit</li> <li>Software: Includes full set of advanced color imaging software compatible with probe functionalities</li> </ul> <b>Included Accessories:</b> <ul style="list-style-type: none"> <li>Computer system with ultrasound reporting software: 01 set</li> <li>Color printer: 01 unit</li> <li>UPS 2 kVA: 01 unit</li> <li>Black-and-white thermal printer: 01 unit</li> <li>User manual in English and Vietnamese: 01 set</li> </ul>
5	Hệ thống siêu âm màu kỹ thuật số Doppler 4D	Korea	1	<b>I. General Requirements:</b> <ul style="list-style-type: none"> <li>Year of manufacture: 2024 or later</li> <li>Condition: 100% brand new</li> <li>Operating environment: Suitable for Vietnam's climate</li> <li>Power supply: 220V ±10% AC, 50Hz</li> </ul> <b>II. Supplied Configuration Includes:</b> <ul style="list-style-type: none"> <li>Trolley-type color ultrasound machine: 01 unit</li> <li>Convex probe: 01 unit</li> <li>Linear probe: 01 unit</li> <li>Adult sector probe: 01 unit</li> <li>Software: Complete set of advanced color ultrasound software compatible with the probes</li> </ul> <b>Included Accessories:</b> <ul style="list-style-type: none"> <li>Computer system with ultrasound reporting software: 01 set</li> <li>Color printer: 01 unit</li> <li>UPS 2 kVA: 01 unit</li> <li>Black-and-white thermal printer: 01 unit</li> <li>User manuals in English and Vietnamese: 01 set</li> </ul>
6	X-ray mammographic system	Korea	1	<b>I. General Requirements:</b> <ul style="list-style-type: none"> <li>100% brand new equipment</li> <li>Year of manufacture: 2024 or later, 100% new</li> </ul>

				<ul style="list-style-type: none"> <li>Power supply: 380 V <math>\pm</math>10% / 3-phase; 220 V <math>\pm</math>10% / single-phase; 50 Hz</li> <li>Operating environment: Suitable for Vietnam's climate</li> </ul> <p><b>II. Supplied Configuration:</b>  <b>High-frequency Digital Radiography System (Digital DR System) with Standard Accessories, including:</b></p> <p>1. <b>High-frequency General Radiography Unit (Main Machine):</b></p> <ul style="list-style-type: none"> <li>High-voltage generator control cabinet (including starter unit): 01 unit</li> <li>X-ray tubes and accessories: 02 units</li> <li>Collimators: 02 units</li> <li>Patient tables (including grids): 02 units</li> <li>Tube support columns: 02 units</li> <li>Chest stands (including grids): 02 units</li> <li>Mammography imaging capability with specialized mammography image processing software</li> </ul> <p>2. <b>Digital Image Acquisition and Processing System:</b></p> <ul style="list-style-type: none"> <li>Digital X-ray detectors, equivalent or better: 02 panels</li> <li>Image processing software: Control, acquisition, and processing software (included with the main system: Mini PACS software): 01 set</li> <li>Computer system</li> <li>Dry film printer</li> <li>Online UPS 3 kVA: 01 unit</li> </ul> <p>Operation manuals in English and Vietnamese: 01 set</p>
7	PACS system	Korea	1	<p>The PACS system typically includes the following main components:</p> <ul style="list-style-type: none"> <li><b>Medical Imaging Devices:</b> Digital X-ray, CT, MRI, ultrasound machines that generate medical images in digital format.</li> <li><b>Data Transmission Network System:</b> Ensures stable connections between medical devices, storage servers, and diagnostic workstations.</li> <li><b>Image Reading Workstations:</b> Assist doctors in analyzing, processing, and diagnosing images with specialized tools.</li> </ul> <p><b>Data Storage and Management Servers:</b> Store images according to the DICOM standard, ensuring security and easy retrieval when needed.</p>
8	Digital Angiography system	Third country	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>100% brand new equipment</li> <li>Year of manufacture: 2024 or later, 100% new</li> <li>Power supply: 380 V <math>\pm</math>10% / 3-phase; 220 V <math>\pm</math>10% / single-phase; 50 Hz</li> <li>Operating environment: Suitable for Vietnam's climate</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>Ceiling-mounted C-Arm: 01 unit</li> <li>Patient table: 01 unit</li> </ul>

				<ul style="list-style-type: none"> <li>• X-ray generator cabinet: 01 set</li> <li>• X-ray tube: 01 unit</li> <li>• Angiography collimator set: 01 set</li> <li>• X-ray exposure switch: 01 unit</li> <li>• Flat panel detector: 01 unit</li> <li>• Main procedure room monitors:                         <ul style="list-style-type: none"> <li>○ DSA monitors: 02 units</li> <li>○ Hemodynamic monitoring screen: 01 unit</li> <li>○ Workstation monitor: 01 unit</li> </ul> </li> <li>• Control room monitors:                         <ul style="list-style-type: none"> <li>○ DSA monitor: 01 unit</li> <li>○ Hemodynamic monitoring screens: 02 units</li> <li>○ Workstation monitor: 01 unit</li> </ul> </li> <li>• System control module: 01 set</li> <li>• Handheld exposure switches: 02 units</li> <li>• Hemodynamic measurement system: 01 set</li> <li>• 3D image reconstruction workstation: 01 set</li> <li>• Software: Complete set of software and programs from basic to advanced, compatible with the system</li> <li>• Complete auxiliary equipment included with the system</li> </ul> <p><b>Other Equipment to Complete the System:</b></p> <ul style="list-style-type: none"> <li>• Contrast media injector: 01 unit</li> <li>• UPS for the entire system, 160 kVA: 01 set</li> <li>Two-tray online dry film printer: 01 unit</li> </ul>
9	MRI (magnetic resonance imaging system) 1.5tesla	Third country	1	<p><b>General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Year of manufacture: 2024 or later</li> </ul> <p><b>1.5 Tesla Magnetic Resonance Imaging (MRI) System Includes:</b></p> <ul style="list-style-type: none"> <li>• Magnet system and patient table: 01 system</li> <li>• Gradient coil system: 01 set</li> <li>• RF coils (receiver coils): 07 coils</li> <li>• RF receiver system: 01 set</li> <li>• Patient communication system: 01 set</li> <li>• Main control and acquisition computer system: 01 set</li> <li>• Image reconstruction computer system: 01 set</li> <li>• UPS for computer systems: 01 set</li> <li>• Chiller system: 01 set</li> <li>• RF shielding cabin with interior: 01 set</li> <li>• Patient monitoring camera system: 01 set</li> <li>• Air conditioning system: 01 set</li> <li>• Coil transport cart: 01 unit</li> <li>• Laser dry film printer: 01 unit</li> <li>• Contrast media injector for MRI: 01 set</li> </ul> <p><b>Auxiliary Equipment:</b></p> <ul style="list-style-type: none"> <li>• MRI-compatible patient stretcher: 01 unit</li> <li>• MRI-compatible IV pole: 01 unit</li> <li>• MRI-compatible support ladder: 01 unit</li> <li>• Hygrometer (temperature and humidity meter): 01 unit</li> <li>• MRI-compatible fire extinguisher: 01 unit</li> <li>• Handheld metal detector: 01 unit</li> </ul>

				<ul style="list-style-type: none"> <li>• Calibration phantom set: 01 set</li> <li>• Laser positioning system: 01 set</li> <li>• Patient positioning accessories: 01 set</li> </ul> <p><b>Software:</b> Complete software and programs from basic to advanced levels included with the system, featuring artificial intelligence technology</p>
10	Portable ultrasound apparatus	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Year of manufacture: 2024 or later</li> <li>• Quality: 100% brand new</li> <li>• Operating environment: Suitable for Vietnam's climate</li> <li>• Power supply: 220V ±10% AC, 50Hz</li> </ul> <p><b>II. Supplied Configuration Includes:</b></p> <ul style="list-style-type: none"> <li>• Trolley-type color ultrasound machine: 01 unit</li> <li>• Convex probe: 01 unit</li> <li>• Linear probe: 01 unit</li> <li>• Adult sector probe: 01 unit</li> <li>• Software: Complete set of advanced color ultrasound software compatible with the probes</li> </ul> <p><b>Included Accessories:</b></p> <ul style="list-style-type: none"> <li>• Computer system with ultrasound reporting software: 01 set</li> <li>• Color printer: 01 unit</li> <li>• UPS 2 kVA: 01 unit</li> <li>• Black-and-white thermal printer: 01 unit</li> <li>• User manuals in English and Vietnamese: 01 set</li> </ul>
11	Digital X-Ray system	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%</li> <li>• Year of manufacture: 2024 or later</li> <li>• Power supply: 380V ±10% / 3-phase; 220V ±10% / 1-phase; 50 Hz</li> <li>• Operating environment: Suitable for the climate in Vietnam</li> </ul> <p><b>II. Supplied Configuration:</b> <b>High-frequency Digital Radiography (DR) X-Ray System</b> with standard accessories, including:</p> <p><b>1 – Main High-frequency General X-Ray Machine:</b></p> <ul style="list-style-type: none"> <li>• High-voltage generator control cabinet (including starter): 01 unit</li> <li>• X-ray tubes and accessories: 02 units</li> <li>• Collimators: 02 units</li> <li>• Patient tables (with grid): 02 units</li> <li>• X-ray tube support columns: 02 units</li> <li>• Chest stands (with grid): 02 units</li> <li>• Capable of imaging all body parts</li> </ul> <p><b>2 – Digital Image Acquisition and Processing Unit:</b></p> <ul style="list-style-type: none"> <li>• Digital X-ray detectors (equivalent or better): 02 panels</li> <li>• Processing software: Control, image acquisition, and processing software (included with the main system; Mini PACS software): 01 set</li> </ul>

				<ul style="list-style-type: none"> <li>• Computer system</li> <li>• Dry film printer</li> <li>• Online UPS 3 kVA: 01 unit</li> </ul> <p>User manuals in English and Vietnamese: 01 set</p>
12	C-arm X-ray system	Korea	1	<ul style="list-style-type: none"> <li>• C-Arm arm: 01 unit</li> <li>• X-ray tube: 01 unit</li> <li>• Collimation system: 01 unit</li> <li>• High-voltage generator: 01 unit</li> <li>• Image intensifier: 01 unit</li> <li>• Digital camera: 01 unit</li> <li>• Control panel on the C-arm: 01 unit</li> <li>• Control panel on the monitor trolley: 01 unit</li> <li>• Display monitor: 01 unit</li> <li>• Integrated data storage system: 01 set</li> <li>• Digital image processing software package: 01 package</li> <li>• Paper image printer: 01 unit</li> <li>• Lead apron: 02 units</li> <li>• Thyroid lead collar: 02 units</li> </ul>
13	General radiographic x-ray, 300mA	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new equipment, 100% new.</li> <li>• Year of manufacture: From 2024 onwards.</li> <li>• Power supply: 380 V <math>\pm</math>10% / 3 phase; / 220 V <math>\pm</math>10% / 1 phase; 50 Hz.</li> <li>• Operating environment: Suitable for Vietnamese climate.</li> </ul> <p><b>II. Configuration Provided:</b> The high-frequency digital X-ray system (Digital Radiography – DR) with standard accessories includes:</p> <p><b>1 – Main High-Frequency General-Purpose X-ray Machine:</b></p> <ul style="list-style-type: none"> <li>• High-voltage generator cabinet (including starter unit): 01 unit</li> <li>• X-ray tubes and accessories: 02 units</li> <li>• Collimators: 02 units</li> <li>• Patient tables (including grid): 02 units</li> <li>• Tube supports: 02 units</li> <li>• Chest stands (including grid): 02 units</li> <li>• Capable of imaging all anatomical regions</li> </ul> <p><b>2 – Digital Image Acquisition and Processing System:</b></p> <ul style="list-style-type: none"> <li>• Digital flat panel detectors equivalent to or better than standard: 02 panels</li> <li>• Image processing software: Image acquisition, control, and processing software (including Mini PACS): 01 set</li> <li>• Computer system: 01 unit</li> <li>• Dry film printer – 3 KVA online UPS: 01 unit</li> </ul> <p>User manuals in English and Vietnamese: 01 set</p>
14	Radiographic and fluoroscopic X-ray TV.system, > 500ma; 2X- ray tubes and 2	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• 100% brand new equipment.</li> <li>• Year of manufacture: From 2024 onwards, brand new.</li> </ul>

	tables			<ul style="list-style-type: none"> <li>Power supply: 380 V <math>\pm</math>10% / 3-phase; / 220 V <math>\pm</math>10% / single-phase; 50 Hz.</li> <li>Operating environment: Suitable for the climate conditions of Vietnam.</li> </ul> <p><b>II. Supplied Configuration:</b>  <b>High-frequency Digital Radiography (DR) X-ray System</b> with standard accessories, including:  1 – <b>High-Frequency General-Purpose X-ray Machine (Main Unit):</b></p> <ul style="list-style-type: none"> <li>High-voltage generator control cabinet (including starter unit): 01 unit</li> <li>X-ray tubes and accessories: 02 units</li> <li>Collimators: 02 units</li> <li>Patient tables (with anti-scatter grid): 02 units</li> <li>Tube support columns: 02 units</li> <li>Chest radiography stands (with anti-scatter grid): 02 units</li> <li>Capable of full-body imaging</li> </ul> <p>2 – <b>Digital Image Acquisition and Processing System:</b></p> <ul style="list-style-type: none"> <li>Digital X-ray flat panel detectors (equivalent or superior): 02 panels</li> <li>Image processing software: Software for control, acquisition, and image processing (included with the main system: Mini PACS software): 01 set</li> <li>Computer system</li> <li>Dry film printer</li> <li>3 KVA online UPS: 01 unit</li> </ul> <p>User manuals in English and Vietnamese: 01 set</p>
15	Film Printer	Third country	1	Compatible with the currently used films.
16	DR processing film	Korea	1	Compatible with the currently used films.
17	Patient bed	Korea	20	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>Brand new 100%.</li> <li>Year of manufacture: 2024 or later, brand new.</li> <li>Power supply: 220 V or 380 V.</li> <li>Operating environment: Suitable for Vietnam's climate.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li><b>Bed frame:</b> Usually made of stainless steel or aluminum alloy to ensure durability and ease of cleaning.</li> <li><b>Bed surface:</b> Can be steel mesh or ABS plastic panel, providing ventilation and easy cleaning.</li> <li><b>Wheels:</b> Facilitate flexible movement with locks to secure the bed in position.</li> <li><b>Side rails:</b> Safety rails on both sides of the bed, adjustable up or down as needed.</li> <li><b>Lifting system:</b> Electric control to raise or lower parts of the bed, helping patients easily change posture.</li> <li><b>IV pole holder:</b> Equipped with a mount for intravenous drip stands.</li> </ul>

18	Ventilator	Korea	1	<p><b>GENERAL REQUIREMENTS</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%, manufactured in 2024 or later.</li> </ul> <p><b>SUPPLIED CONFIGURATION</b></p> <ul style="list-style-type: none"> <li>• Main unit with display monitor: 01 unit</li> <li>• Accessories included: <ul style="list-style-type: none"> <li>○ Heated breathing circuit: 01 set</li> <li>○ Humidifier bottle for adults and children: 01 unit</li> <li>○ Humidifier bottle for neonates: 01 unit</li> <li>○ Holder for heated/humidifier system: 01 unit</li> <li>○ Reusable silicone breathing circuit for adults: 01 set</li> <li>○ Reusable silicone breathing circuit for children: 01 set</li> <li>○ Reusable silicone breathing circuit for neonates: 01 set</li> <li>○ Adult test lung for machine checking (domestic purchase): 01 unit</li> <li>○ Pediatric test lung for machine checking (domestic purchase): 01 unit</li> <li>○ Neonatal test lung for machine checking (domestic purchase): 01 unit</li> <li>○ Adult breathing mask (domestic purchase): 01 unit</li> <li>○ Pediatric breathing mask (domestic purchase): 01 unit</li> <li>○ Neonatal breathing mask (domestic purchase): 01 unit</li> <li>○ Reusable expiratory filter with water trap for adults: 01 set</li> <li>○ Single-use expiratory filter with water trap for neonates: 01 set</li> <li>○ Reusable inspiratory filter: 01 set</li> <li>○ Set of O2 tubing, compressed air tubing and connectors: 01 set</li> <li>○ Breathing tube support stand: 01 unit</li> <li>○ Backup synchronized battery: 01 unit</li> <li>○ Trolley/cart for the ventilator: 01 unit</li> <li>○ AC power cable: 01 unit</li> <li>○ Synchronized air compressor: 01 unit</li> <li>○ User manual in English and Vietnamese: 01 set</li> <li>○ Full functions including advanced ventilator modes.</li> <li>○ Ensure the device supports both non-invasive ventilation (NIV) and invasive mechanical ventilation for critically ill patients.</li> </ul> </li> </ul>
19	Patient Monitor	Korea	2	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Manufactured in 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for the climate of Vietnam.</li> </ul>

				<p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Main unit.</li> <li>• Multi-parameter monitoring module with standard accessories.</li> <li>• ECG cable and electrode set: 01 set.</li> <li>• SpO2 cable and sensor accessory set: 01 set.</li> <li>• NIBP (Non-Invasive Blood Pressure) cuff and measurement cable set: 01 set.</li> <li>• Temperature measurement cable and accessory set: 01 set.</li> <li>• IBP (Invasive Blood Pressure) cable and accessory sets: 02 sets.</li> <li>• CO2 monitoring module with standard accessories: 01 set.</li> <li>• CO2 measurement cable and accessory set: 01 set.</li> <li>• PR (Pulse Rate) measurement cable and accessory set: 01 set.</li> </ul>
20	Electrocardiograph	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Manufactured in 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Main unit: 01 piece</li> <li>• Standard accessories included</li> <li>• ECG cable: 01 piece</li> <li>• Power cord: 01 piece</li> <li>• Suction electrodes with rubber suction cups for chest: 06 pieces</li> <li>• Limb clip electrodes: 04 pieces</li> <li>• Printer paper compatible with the device: 01 roll</li> <li>• Cleaning pen for thermal recorder head: 01 piece</li> <li>• Rechargeable battery: 01 piece</li> <li>• 12-lead ECG machine with 8-inch display integrated with ECG analysis software,</li> <li>• LAN port for computer connection: 1</li> <li>• USB ports: 2</li> <li>• Capability to record 18 leads (optional),</li> <li>• Export ECG files in DICOM format,</li> <li>• Can synchronize with patient data management system.</li> </ul>
21	Electric oven 300°C	Korea	2	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Manufacturing year: 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for Vietnam's climate.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Capacity: 300 liters or more.</li> <li>• Adjustable sterilization time.</li> <li>• Over-temperature alarm.</li> <li>• Top exhaust vent with adjustable airflow.</li> <li>• Rapid heating with forced air convection for quick sterilization.</li> </ul>

				<ul style="list-style-type: none"> <li>• High-precision temperature control by microprocessor; interior chamber made of stainless steel.</li> <li>• Forced convection fan to ensure fast heating and uniform temperature distribution.</li> </ul>
22	Electric syringe pump	Korea	2	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Manufacturing year: 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for Vietnam's climate.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Infusion rates: standard infusion, fast infusion (Bolus), maintenance infusion; adjustable in increments from 0.1 ml/h up to 1500 ml/h (depending on model and syringe size).</li> <li>• High accuracy.</li> <li>• Compatible with syringe sizes 5 ml, 10 ml, 20 ml, 50/60 ml and compatible with various standard syringes from different manufacturers.</li> <li>• Multiple safety alarm functions: occlusion detection, near-empty fluid, empty fluid, pressure alarm, battery alarm. Alerts provided via sound and visual indicators (lights or icons).</li> <li>• Clear, easy-to-read display showing infusion rate, infused volume, remaining time, and pump status.</li> <li>• Power source: mains electricity with backup battery.</li> <li>• Can be mounted on an IV pole or fixed on an infusion stand.</li> </ul> <p>Safe materials, easy to clean.</p>
23	Infusion pump	Korea	2	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Manufacturing year: 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for Vietnam's climate.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Infusion rate range: suitable for both rapid intravenous infusion and slow drip infusion for neonates; adjustable in increments from 0.1 to 1200 ml/h (depending on model).</li> <li>• Total infusion volume can be set for each treatment session.</li> <li>• Ensures accurate infusion rate.</li> <li>• Operating modes: continuous infusion, bolus (rapid instant dose), maintenance at low rate (~1 ml/h).</li> <li>• Alarm system: occlusion detection, fluid empty, battery low, etc.</li> <li>• Clear, easy-to-read display showing infusion rate, infused volume, remaining time, and infusion status.</li> <li>• Compatible with standard medical infusion sets.</li> </ul>

				<ul style="list-style-type: none"> <li>• Can be mounted on IV pole or fixed on infusion stand.</li> <li>• Alerts via sound and visual indicators (lights or icons).</li> </ul> <p>Power source: mains electricity with backup battery.</p>
24	Emergency bed	Korea	15	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Manufacturing year: 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for Vietnam's climate.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Bed frame: Typically made of stainless steel or aluminum alloy, ensuring durability and easy cleaning.</li> <li>• Bed surface: Can be steel mesh or ABS plastic panel, providing ventilation and easy cleaning.</li> <li>• Wheels: Facilitate flexible movement, equipped with locks to fix position.</li> <li>• Side rails: Safety rails on both sides of the bed, adjustable according to need.</li> <li>• Lifting system: Electrically controlled to adjust various body parts, helping patients change posture easily.</li> </ul> <p>IV pole mount included.</p>
25	Patient Monitor	Korea	20	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Manufacturing year: 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for Vietnam's climate.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Main unit</li> <li>• Multi-parameter measurement module with standard accessories</li> <li>• ECG measurement cable and electrode set: 01 set</li> <li>• SpO2 measurement cable and accessory set: 01 set</li> <li>• Non-invasive blood pressure (NIBP) cuff and cable set: 01 set</li> <li>• Temperature measurement cable and accessory set: 01 set</li> <li>• Invasive blood pressure (IBP) cable and accessory sets: 02 sets</li> <li>• CO2 concentration measurement module with standard accessories: 01 set</li> <li>• CO2 measurement cable and accessory set: 01 set</li> <li>• Pulse rate (PR) measurement cable and accessory set: 01 set</li> </ul>
26	Ventilator	Korea	5	<p><b>GENERAL REQUIREMENTS</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%, manufactured in 2024 or later.</li> </ul>

				<p><b>Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Main unit with display screen: 01 unit</li> <li>• Included accessories: <ul style="list-style-type: none"> <li>○ Breathing gas humidifier set: 01 set</li> <li>○ Humidifier bottle for adults and children: 01 piece</li> <li>○ Humidifier bottle for neonates: 01 piece</li> <li>○ Holder for humidifier/warming set: 01 piece</li> <li>○ Reusable silicone breathing tubing set for adults: 01 set</li> <li>○ Reusable silicone breathing tubing set for children: 01 set</li> <li>○ Reusable silicone breathing tubing set for neonates: 01 set</li> <li>○ Adult test lung for machine check (locally sourced): 01 piece</li> <li>○ Pediatric test lung for machine check (locally sourced): 01 piece</li> <li>○ Neonatal test lung for machine check (locally sourced): 01 piece</li> <li>○ Adult breathing mask (locally sourced): 01 piece</li> <li>○ Pediatric breathing mask (locally sourced): 01 piece</li> <li>○ Neonatal breathing mask (locally sourced): 01 piece</li> <li>○ Reusable exhalation filter with water trap for adults: 01 set</li> <li>○ Single-use exhalation filter with water trap for neonates: 01 set</li> <li>○ Reusable inhalation filter: 01 set</li> <li>○ Set of O2 tubing, compressed air tubing, and connectors: 01 set</li> <li>○ Breathing tube support arm: 01 piece</li> <li>○ Compatible backup battery: 01 piece</li> <li>○ Compatible ventilator trolley/cart: 01 piece</li> <li>○ AC power cable: 01 piece</li> <li>○ Compatible air compressor: 01 piece</li> <li>○ User manual in English and Vietnamese: 01 set</li> </ul> </li> <li>• Fully functional with advanced ventilator modes.</li> <li>• Capable of providing both non-invasive and invasive mechanical ventilation for critically ill patients.</li> </ul>
27	Electrocardiograph	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Manufactured in 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for Vietnam’s climate.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Main unit: 01 piece</li> <li>• Standard accessories included</li> <li>• ECG cable: 01 piece</li> <li>• Power cord: 01 piece</li> <li>• Suction chest electrodes with rubber suction cups: 06 pieces</li> </ul>

				<ul style="list-style-type: none"> <li>• Limb clamp electrodes: 04 pieces</li> <li>• Paper for printer: 01 pack</li> <li>• Thermal recorder cleaning pen: 01 piece</li> <li>• Rechargeable battery: 01 piece</li> <li>• 12-lead ECG machine with 8-inch display screen, integrated ECG result analysis software,</li> <li>• 1 LAN port for computer connection, 2 USB ports,</li> <li>• Optional 18-lead measurement capability,</li> <li>• Export ECG files in DICOM format,</li> <li>• Compatible with patient data synchronization and data management systems.</li> </ul>
28	2D Ultrasonic system	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Year of manufacture: 2024 or later.</li> <li>• Quality: Brand new 100%.</li> <li>• Operating environment: Suitable for Vietnam's climate conditions.</li> <li>• Power supply: 220 ±10% VAC, 50Hz.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Color ultrasound machine on a trolley: 01 unit</li> <li>• Convex probe: 01 piece</li> <li>• Linear probe: 01 piece</li> <li>• Adult sector probe: 01 piece</li> <li>• Software: Complete software for color ultrasound compatible with the probe functions</li> <li>• Included accessories: <ul style="list-style-type: none"> <li>○ Computer system with ultrasound result reporting software: 01 set</li> <li>○ Color printer: 01 unit</li> <li>○ UPS 2 KVA: 01 set</li> <li>○ Black and white thermal printer: 01 unit</li> </ul> </li> <li>• User manual in English and Vietnamese: 01 set</li> </ul>
29	Operating table	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Year of manufacture: 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for Vietnam's climate.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Multi-functional hydraulic operating table, designed to suit surgeries in various fields including urology, neurology, orthopedics, and cardiovascular surgery.</li> <li>• Compatible with C-Arm access.</li> <li>• Removable and detachable leg sections on both sides.</li> <li>• Adjustable tilt orientation and sliding tabletop.</li> <li>• Episiotomy cutting feature.</li> <li>• Handheld control.</li> </ul>
30	Patient Monitor(Portable)	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Year of manufacture: 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> </ul>

				<ul style="list-style-type: none"> <li>Operating environment: Suitable for Vietnam's climate.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>Main unit.</li> <li>Multi-parameter monitoring module with standard accessories.</li> <li>ECG cable and electrode set: 01 set.</li> <li>SpO2 measuring cable and accessory set: 01 set.</li> <li>Non-invasive blood pressure (NIBP) cuff and cable set: 01 set.</li> <li>Temperature measurement cable and accessory set: 01 set.</li> <li>Invasive blood pressure (IBP) cable and accessory set: 02 sets.</li> <li>CO2 measurement module with standard accessories: 01 set.</li> <li>CO2 measurement cable and accessory set: 01 set.</li> <li>Pulse rate (PR) measurement cable and accessory set: 01 set.</li> </ul>
31	Direct ophthalmology meter	Third country	2	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>Year of manufacture: 2024 or later, brand new 100%.</li> <li>Power supply: 220 V / 50 Hz.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>Type: Handheld direct ophthalmoscope.</li> <li>Light source: Halogen or LED, ensuring stable illumination.</li> <li>Magnification: 5x to 15x, allowing detailed observation of the fundus.</li> <li>Focus adjustment: Adjustable to suit individual patients.</li> </ul>
32	Otoscope	Third country	2	<p><b>Components include:</b></p> <ol style="list-style-type: none"> <li><b>Otoscope:</b> LED or Halogen light source, magnification <math>\geq 3x</math>, powered by battery or rechargeable, quantity: 1 unit.</li> <li><b>Ear Specula:</b> Sterile medical-grade plastic, sizes 2.5mm, 3mm, 4mm, 5mm, quantity: 10 pieces.</li> <li><b>Hook-shaped earwax removal tool:</b> Stainless steel, length 12–15 cm, quantity: 1 piece.</li> <li><b>Spoon-shaped earwax removal tool:</b> Stainless steel, length 12–15 cm, quantity: 1 piece.</li> <li><b>Loop-shaped earwax removal tool:</b> Stainless steel, length 12–15 cm, quantity: 1 piece.</li> <li><b>Hartmann forceps (ear foreign body removal forceps):</b> Stainless steel, length 14 cm, curved or straight tip, quantity: 1 piece.</li> <li><b>Ear syringe (or rubber bulb):</b> Medical-grade plastic or rubber, capacity 60–100 ml, quantity: 1 piece.</li> <li><b>Forehead-mounted LED headlamp for ear examination:</b> Adjustable beam angle, power 1–3W, quantity: 1 unit.</li> </ol>

33	Thermometer	Third country	2	<ul style="list-style-type: none"> <li>• Measurement range: 32°C to 42.5°C</li> <li>• High accuracy (<math>\pm 0.2^{\circ}\text{C}</math>)</li> <li>• Fast measurement time (under 60 seconds)</li> <li>• Clear, easy-to-read display screen</li> <li>• Audible alert: beep sound when measurement is complete</li> <li>• Ability to store measurement results</li> <li>• Soft probe, compact design, safe to use</li> </ul>
34	Pulse Oximeter	Korea	2	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Manufacturing year: 2024 or later.</li> <li>• Power supply: 220 V.</li> <li>• Suitable for operation in Vietnamese climate.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Sharp, clear display, easy to read even at night, showing SpO2 level, heart rate, and SpO2 waveform.</li> <li>• High accuracy measurement.</li> <li>• Reusable sensor compatible for both children and neonates.</li> <li>• Safety alerts including oxygen saturation status, alarms, sound alerts, and power status indication.</li> <li>• Operates on both mains power and backup battery.</li> </ul>
35	Side Lamp	Korea	2	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Manufacturing year: 2024 or later.</li> <li>• Power supply: 220V/50Hz.</li> </ul> <p><b>II. Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>• Light source: Option to choose between Halogen or LED bulb.</li> <li>• Magnification levels: 10x (28.5 mm), 16x (14 mm), 25x (7 mm).</li> <li>• Binocular eyepieces for clear and sharp observation.</li> <li>• Adjustable interpupillary distance.</li> <li>• Working distance (focus): 100 mm.</li> <li>• Adjustable diopter levels.</li> <li>• Slit width: 0 to 10 mm, flexibly adjustable.</li> <li>• Slit diameter: 0 to 10 mm.</li> <li>• Rotatable slit angle for easy adjustment of viewing angle.</li> <li>• Color filter: Green.</li> <li>• Maximum illumination intensity: 45,000 Lux, ensuring bright and clear light.</li> <li>• Equipped with an observation camera that can connect to a computer for image display.</li> </ul>
36	Weighing scale, 120kg	Korea	1	<ul style="list-style-type: none"> <li>• Maximum weight capacity: 120 kg.</li> <li>• Height measurement range: 70 cm to 190 cm.</li> <li>• Smallest graduation on the height rod: 0.5 cm.</li> </ul>
37	Defibrillator	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Manufacturing year: 2024 or later.</li> </ul>

				<ul style="list-style-type: none"> <li>Power supply: 220 V.</li> <li>Suitable for operation in Vietnam’s climate conditions.</li> </ul> <p><b>II. Configuration includes:</b></p> <ul style="list-style-type: none"> <li>Main unit with display and recorder: 01 unit</li> <li>ECG cable: 01 unit</li> <li>Rechargeable battery: 01 unit</li> <li>Adult and pediatric defibrillation pads: 01 set</li> <li>Thermal printing paper roll: 01 roll</li> <li>External pacing pad cable: 01 unit</li> <li>External pacing pad set</li> <li>Power cord: 01 unit</li> <li>Shock gel tube for skin application: 01 tube</li> <li>User manuals in English and Vietnamese: 01 set</li> </ul>
38	Personal electrocardiograph	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>Brand new 100%.</li> <li>Manufacturing year: 2024 or later.</li> <li>Power supply: 220 V or 380 V.</li> <li>Suitable for operation in Vietnam’s climate conditions.</li> </ul> <p><b>II. Configuration includes:</b></p> <ul style="list-style-type: none"> <li>Main unit: 01 unit</li> <li>Standard accessories included</li> <li>ECG cable: 01 unit</li> <li>Power cord: 01 unit</li> <li>Suction chest electrodes with rubber suction cups: 06 units</li> <li>Limb clamp electrodes: 04 units</li> <li>Printer paper compatible with the machine: 01 pack</li> <li>Cleaning pen for thermal recorder head: 01 unit</li> <li>Rechargeable battery: 01 unit</li> <li>12-lead ECG machine with 8-inch display integrated with software for ECG result analysis,</li> <li>1 LAN port for computer connection,</li> <li>2 USB ports,</li> <li>Can record 18 leads (optional),</li> <li>Export ECG files in DICOM format,</li> <li>Can synchronize with patient data management system.</li> </ul>
39	Continuous blood purification machine for Adult	Third country	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>Brand new 100%.</li> <li>Manufacturing year: 2024 or later.</li> <li>Power supply: 220 V or 380 V.</li> <li>Suitable for operation in Vietnam’s climate conditions.</li> </ul> <p><b>II. Configuration includes:</b></p> <ul style="list-style-type: none"> <li>The system must support functionalities for Continuous Renal Replacement Therapy (CRRT) and Therapeutic Plasma Exchange (TPE) for patients with medical indications.</li> </ul>
40	Electric continuous suction pump	Third country	2	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>Brand new 100%.</li> <li>Manufacturing year: 2024 or later.</li> </ul>

				<ul style="list-style-type: none"> <li>Power supply: 220 V or 380 V.</li> <li>Suitable for operation in Vietnam's climate conditions.</li> </ul> <p><b>II. Configuration Includes:</b></p> <ul style="list-style-type: none"> <li>Main unit: 01 unit</li> <li>Support tube: 01 unit</li> <li>Negative pressure generator bottle: 01 unit</li> <li>Water pressure adjustment bar: 01 unit</li> <li>Fluid collection bottle (1.4 liters): 01 unit</li> <li>Handle: 01 unit</li> <li>Safety valve assembly: 01 unit</li> <li>Cover lid: 01 unit</li> <li>Suction tube with nozzle: 01 unit</li> <li>Tube connecting collection bottle to pressure generator: 01 unit</li> <li>Water pressure adjustment knob: 01 unit</li> <li>Pressure generator bottle lid: 01 unit</li> <li>Tube connecting collection bottle to machine: 01 unit</li> <li>Patient suction tube: 01 unit</li> <li>User manual in both Vietnamese and English: 01 set</li> </ul>
41	Defibrillator	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>Brand new 100%.</li> <li>Manufacturing year: 2024 or later.</li> <li>Power supply: 220 V.</li> <li>Suitable for operation in Vietnam's climate conditions.</li> </ul> <p><b>II. Configuration Includes:</b></p> <ul style="list-style-type: none"> <li>Main unit with display and recorder: 01 unit</li> <li>ECG cable: 01 unit</li> <li>Rechargeable battery: 01 unit</li> <li>Shock pads for adults and children: 01 set</li> <li>Thermal paper: 01 roll</li> <li>External pacing pad cable: 01 unit</li> <li>External pacing pads set</li> <li>Power cord: 01 unit</li> <li>Shock-conductive gel tube: 01 tube</li> <li>User manual in both English and Vietnamese: 01 set</li> </ul>
42	Electric syringe pump	Korea	5	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>Brand new 100%.</li> <li>Manufacturing year: 2024 or later.</li> <li>Power supply: 220 V or 380 V.</li> <li>Suitable for operation in Vietnam's climate conditions.</li> </ul> <p><b>II. Configuration Includes:</b></p> <ul style="list-style-type: none"> <li><b>Infusion speed modes:</b> Normal infusion, bolus, and maintenance infusion; adjustable in small increments, ranging from 0.1 ml/h to 1500 ml/h (depending on model and syringe size).</li> <li><b>High accuracy.</b></li> <li><b>Compatible syringe sizes:</b> 5 ml, 10 ml, 20 ml, 50/60 ml, and supports various standard syringes from different manufacturers.</li> </ul>

				<ul style="list-style-type: none"> <li>• <b>Multiple alarm and safety alert functions:</b> Occlusion, near end of infusion, end of infusion, pressure issues, and battery alerts. Alarms include both sound and visual indicators (lights or icons).</li> <li>• <b>Clear, easy-to-read display:</b> Shows infusion rate, total volume infused, remaining time, and pump status.</li> <li>• <b>Power source:</b> Operates on mains power and backup battery.</li> <li>• <b>Mounting options:</b> Can be mounted on an IV pole or fixed to an infusion stand.</li> </ul> <p><b>Material:</b> Safe and easy to clean.</p>
43	Infant incubator	Korea	2	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new, 100% unused.</li> <li>• Year of manufacture: From 2024 onward.</li> <li>• Power supply: 220V or 380V.</li> <li>• Operating environment: Suitable for the climate conditions of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>• Enclosed design with access windows for nurses to care for the infant.</li> <li>• Lower compartment for storing equipment.</li> <li>• Entire incubator mounted on a trolley with lockable caster wheels (semi-brake system).</li> <li>• Built-in storage cabinet for infant supplies underneath.</li> <li>• IV pole included for hanging fluid bags.</li> <li>• Adjustable head position of the infant bed.</li> <li>• Integrated phototherapy (blue light) lamp.</li> <li>• Equipped with power outlet.</li> <li>• LED display shows both set and actual values of <b>temperature</b> and <b>humidity</b>.</li> <li>• Adjustable temperature and humidity control unit.</li> <li>• Equipped with a <b>skin temperature sensor</b> for continuous monitoring.</li> <li>• Automatic regulation of incubator temperature based on infant's body temperature fluctuations.</li> <li>• Alarm system for abnormal temperature and humidity levels.</li> <li>• Supports all necessary modes: <ul style="list-style-type: none"> <li>○ <b>Air Mode / Manual Mode</b></li> <li>○ <b>Skin Mode / Servo Control Mode</b></li> </ul> </li> </ul>
44	Infusion pump	Korea	6	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new, 100% unused.</li> <li>• Year of manufacture: From 2024 onward.</li> <li>• Power supply: 220V or 380V.</li> <li>• Operating environment: Suitable for the climate conditions of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>• <b>Infusion rate range:</b> Suitable for both rapid intravenous infusion and slow drip for infants; adjustable in small increments from <b>0.1 – 1200 ml/h</b> (depending on model).</li> </ul>

				<ul style="list-style-type: none"> <li>• <b>Total infusion volume</b> can be preset per treatment session.</li> <li>• Ensures <b>high infusion accuracy</b>.</li> <li>• <b>Operating modes:</b> Continuous infusion, <b>Bolus</b> (rapid delivery), and <b>KVO (Keep Vein Open)</b> at low rates (~1 ml/h).</li> <li>• <b>Alarm system</b> for occlusion, end of infusion, low battery, etc.</li> <li>• Clear, easy-to-read display showing infusion rate, total volume infused, remaining time, and infusion status.</li> <li>• <b>Infusion set compatibility:</b> Usable with standard medical-grade infusion sets.</li> <li>• Can be <b>mounted on IV poles or infusion stands</b>.</li> <li>• <b>Audio and visual alarms</b> (lights or icons) for safety notifications.</li> </ul> <p><b>Power source:</b> Operates on mains power and backup battery.</p>
45	Syringe annul apparatus	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new, 100% unused.</li> <li>• Year of manufacture: From 2024 onward.</li> <li>• Power supply: 220V or 380V.</li> <li>• Operating environment: Suitable for the climate conditions of Vietnam.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Capable of destroying commonly used needle types, from small insulin needles to large-gauge injection needles.</li> <li>• Fast destruction time.</li> <li>• Ensures <b>safety and hygiene</b> during operation.</li> </ul> <p>Easy to operate, with <b>clear user instructions</b> provided.</p>
46	Laryngoscope for adult	Korea	2	<ul style="list-style-type: none"> <li>• <b>Light Source:</b> LED or Xenon technology, providing strong and clear illumination.</li> <li>• <b>Blade Design:</b> Curved Macintosh or straight Miller blade, optimized for improved visibility.</li> <li>• <b>Material:</b> Made of stainless steel, with a polished surface for easy cleaning.</li> <li>• <b>Optical System:</b> High-quality optical system for optimal light transmission.</li> <li>• <b>Power Supply:</b> Battery-operated, ensuring continuous operation.</li> </ul>
47	Laryngoscope for children	Korea	2	<p><b>Light Source:</b> LED or Xenon technology, ensuring strong and clear illumination.</p> <p><b>Blade Design:</b> Curved Macintosh or straight Miller blade, optimized for enhanced visibility.</p> <p><b>Material:</b> Stainless steel with a polished surface for easy cleaning.</p> <p><b>Optical System:</b> High-quality optics for optimal light transmission.</p> <p><b>Power Supply:</b> Battery-operated, ensuring continuous operation.</p>
48	Endotracheal instrument set	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> </ul>

				<ul style="list-style-type: none"> <li>Year of manufacture: 2024 or later.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>Laryngoscope handle made of stainless steel alloy, ergonomic grip, powered by AA/AAA batteries.</li> <li>When the blade is attached to the handle, the light automatically turns on. The handle is sterilizable or has a replaceable cover. Batteries are easily removable.</li> <li>Light source: LED cold light or fiber optic with brightness <math>\geq 11,000</math> Lux and lifespan <math>\geq 10,000</math> hours.</li> <li>Light attached to the handle and replaceable if damaged.</li> <li>Curved blades (Macintosh) sizes 1, 2, 3, 4 (depending on patient age group).</li> <li>Straight blades (Miller) sizes 0, 1, 2 for neonates and infants, with soft epiglottis tip.</li> <li>Blades made of stainless steel, with standard curved tip, no sharp edges.</li> <li>Blade and handle are detachable, connected by joints complying with ISO 7376 standards.</li> <li>Usable for 500-1000 times.</li> <li>Entire product must comply with ISO or FDA/CE standards, with no deep grooves for easy cleaning.</li> <li>Includes storage box for blades, replacement tools for light, batteries, and joints in case of damage.</li> <li>Warranty period: over 2 years.</li> </ul> <p>Supplier must provide technical support, user manuals, and maintenance guidance.</p>
49	Binocular microscope	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>Brand new 100%.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>Optical system with multiple magnifications: 10x, 40x, 100x (oil immersion objective).</li> <li>Adjustable illumination system suitable for different magnifications and specimen types.</li> <li>Materials: Durable, corrosion-resistant, easy to clean.</li> </ul> <p>Ergonomic design and mechanical structure.</p>
50	CO2 Laser Apparatus	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>Brand new 100%.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V or 380 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>Configuration:</b></p> <ul style="list-style-type: none"> <li>Main unit: 1 machine</li> </ul>

				<ul style="list-style-type: none"> <li>• 7-joint articulated arm: 1 set</li> <li>• Foot pedal: 1 piece</li> <li>• Power cable: 1 piece</li> <li>• 5A fuse: 2 pieces</li> <li>• Key: 1 piece</li> <li>• User manual: 1 book</li> <li>• Warranty card: 1 piece</li> </ul> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>• Laser power: 0 – 45 W</li> <li>• Wavelength: 10,600 nm</li> <li>• Maximum power: 45 W</li> <li>• Operating modes: continuous, single pulse, repetitive pulse</li> <li>• Beam diameter: 0.2 – 0.3 mm</li> <li>• Pulse duration: 0.005 – 1 second</li> </ul> <p>Microprocessor control</p>
51	Electric incubator	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Year of manufacture: 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>• Capacity: 160 liters or more</li> <li>• Temperature range: Room temperature +5°C to 60°C</li> <li>• Microprocessor controller</li> <li>• Temperature fluctuation: <math>\leq \pm 0.2^{\circ}\text{C}</math></li> <li>• Temperature uniformity: <math>\leq \pm 0.3^{\circ}\text{C}</math></li> <li>• Timer control: adjustable up to 999 hours or continuous operation</li> <li>• Sample shelves: 2 or more, height adjustable</li> <li>• Alarm system: light and buzzer alarms for overheating and CO2 concentration alerts</li> <li>• CO2 concentration control: 0-20%</li> <li>• UV sterilization function</li> <li>• Double-layer door: inner and outer doors</li> </ul> <p>Cabinet materials: stainless steel interior, cold-rolled steel exterior with coated paint finish</p>
52	Electric oven 300°C	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new 100%.</li> <li>• Year of manufacture: 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>• Capacity: 300 liters or more</li> <li>• Adjustable sterilization time</li> <li>• Overheat alarm system</li> <li>• Top exhaust vent with adjustable airflow</li> <li>• Rapid heating with forced air convection for fast and effective sterilization</li> <li>• High-precision microprocessor temperature control</li> </ul>

				<ul style="list-style-type: none"> <li>Interior chamber made of stainless steel</li> <li>Forced convection fan for fast heating and high temperature uniformity</li> </ul>
53	Electrical Stimulator	Korea	1	The dermatological stimulation device typically utilizes <b>fractional laser technology</b> for skin rejuvenation. It is used to <b>reduce wrinkles, treat atrophic scars, and improve skin pigmentation.</b>
54	Patient bed	Korea	10	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>Brand new, 100%</li> <li>Year of manufacture: 2024 or later</li> <li>Power supply: 220V or 380V</li> <li>Operating environment: Suitable for Vietnam's climate</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li><b>Bed frame:</b> Made of stainless steel or aluminum alloy for durability and ease of cleaning</li> <li><b>Bed surface:</b> Made of steel mesh or ABS plastic panel, providing ventilation and easy cleaning</li> <li><b>Wheels:</b> Equipped with swivel casters for mobility, with locking mechanism for stability</li> <li><b>Side rails:</b> Safety side rails on both sides, adjustable up and down</li> <li><b>Lifting system:</b> Allows adjustment of bed sections to help patients change position comfortably</li> <li><b>IV pole mount:</b> Equipped with a pole for IV infusion</li> </ul>
55	Slide staining machine	Korea	5	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>Brand new, 100%</li> <li>Year of manufacture: 2024 or later</li> <li>Power supply: 220V or 380V</li> <li>Operating environment: Suitable for Vietnam's climate</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>Capable of connecting to an automatic slide coverslipper via a Transfer System module</li> <li>Touchscreen interface displaying the position and status of each staining reagent container and each slide rack</li> </ul>
56	Syringe annul apparatus	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>Brand new, 100%</li> <li>Year of manufacture: 2024 or later</li> <li>Power supply: 220V or 380V</li> <li>Operating environment: Suitable for Vietnam's climate</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>Capable of destroying various common syringe needles, from small insulin needles to large-sized injection needles</li> <li>Fast destruction time</li> <li>Ensures safety and hygiene</li> </ul> <p>Simple operation, with clear user manual provided</p>
57	UV Therapy Apparatus	Korea	1	The UV therapy device uses ultraviolet light to support the treatment of dermatological conditions

				<p>such as psoriasis, atopic dermatitis, vitiligo, and other skin disorders.</p> <p><b>Basic Configuration:</b></p> <ul style="list-style-type: none"> <li>• <b>UV Type:</b> Varies depending on the treatment method</li> <li>• <b>Lamp Power:</b> Adjustable light intensity to suit each treatment protocol</li> <li>• <b>Treatment Time:</b> Depends on the skin condition, typically from 5 to 30 minutes</li> </ul> <p><b>Design:</b> Includes a UV irradiation cabinet with fluorescent lamps; allows for intensity and duration adjustment</p>
58	Pharmaceutical Refrigerator	Korea	3	<p><b>General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new, 100%</li> <li>• Year of manufacture: 2024 or later</li> <li>• Power supply: 220 V or 380 V</li> <li>• Operating environment: Suitable for Vietnam's climate</li> </ul> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>• <b>Storage Temperature:</b> Maintains a stable range of 2°C to 8°C to preserve medication quality</li> <li>• <b>Capacity:</b> Suitable for pharmaceutical storage needs</li> <li>• <b>Temperature Control System:</b> Equipped with humidity and temperature sensors to maintain a stable environment</li> <li>• <b>Tempered Glass Door:</b> Anti-condensation and allows easy internal visibility</li> <li>• <b>Safety Alarms:</b> Includes visual and audible alarms for temperature excursions or operational faults</li> </ul>
59	Automatic Tablet Distributing & Packing System	Korea	1	<ul style="list-style-type: none"> <li>• <b>Packaging Technology:</b> Utilizes an automatic packing machine capable of product positioning, sealing, labeling, and quality inspection.</li> <li>• <b>Control System:</b> Operated by specialized software for complete control over the medication packaging and dispensing process.</li> <li>• <b>Inspection Sensors:</b> Integrated sensors detect errors during packaging to minimize mistakes and ensure final product quality.</li> <li>• <b>Medication Dispensing System:</b> Automatically classifies and packs medications according to prescription orders, significantly improving processing speed.</li> </ul>
60	Compounding Cabinet	Korea	2	<ul style="list-style-type: none"> <li>• <b>Air Filtration System:</b> Equipped with HEPA or ULPA filters to remove fine dust particles and microorganisms.</li> <li>• <b>Operating Pressure:</b> Functions under negative pressure to protect operators from hazardous chemicals.</li> <li>• <b>UV Sterilization System:</b> Integrated UV lamp for effective disinfection.</li> <li>• <b>Protective Glass Door:</b> Made of thick, UV-resistant tempered glass to ensure safety during operation.</li> </ul>

				<ul style="list-style-type: none"> <li>• <b>Construction Material:</b> Stainless steel body for corrosion resistance and ease of cleaning.</li> <li>• <b>Control System:</b> LCD screen displays parameters; allows airflow speed adjustments and includes safety alarms.</li> </ul>
61	Microtome	<i>Third country</i>	2	<p>General Requirements:</p> <ul style="list-style-type: none"> <li>• 100% brand new.</li> <li>• Year of manufacture: From 2024 onward.</li> <li>• Power supply: 220 V.</li> <li>• Operating environment: Suitable for the climate in Vietnam.</li> </ul> <p>Technical Specifications:</p> <ul style="list-style-type: none"> <li>• Handwheel can be locked at any position.</li> <li>• Compatible with multiple types of specimen clamps.</li> <li>• Clamp can be replaced with one hand.</li> <li>• Specimen orientation allows X (horizontal) and Y (vertical) directional adjustments, with a zero position setting.</li> <li>• The specimen can be tilted at an angle of 8°, and rotated 360°.</li> <li>• Slice counter: 4-digit LCD display, resettable.</li> </ul>
62	Frozen microtome (cryostat)	<i>Third country</i>	1	<p>General Requirements:</p> <ul style="list-style-type: none"> <li>• 100% brand new.</li> <li>• Year of manufacture: From 2024 onward.</li> <li>• Power supply: 220 V.</li> <li>• Operating environment: Suitable for the climate in Vietnam.</li> </ul> <p>Technical Specifications:</p> <ul style="list-style-type: none"> <li>• Color touchscreen control panel.</li> <li>• Large working chamber, LED illumination with adjustable brightness.</li> <li>• Specimen tensioning system during cutting and vacuum suction for excess specimen removal.</li> <li>• Sterilization system using Cool D cold mist technology with a quick sterilization cycle of 50 minutes.</li> <li>• Specimen holder temperature adjustable from -45°C to +10°C (ambient temperature +20°C).</li> <li>• Instant or programmed defrost function.</li> <li>• Vertical travel range of specimen holder: 64 mm.</li> <li>• Horizontal travel range of knife holder: 48 mm.</li> </ul> <p>Maximum knife holder movement speed: 3 mm/second.</p>
63	Binocular microscope	<i>Third country</i>	3	<p>General Requirements:</p> <ul style="list-style-type: none"> <li>• 100% brand new.</li> <li>• Year of manufacture: From 2024 onward.</li> <li>• Power supply: 220 V.</li> <li>• Operating environment: Suitable for the climate in Vietnam.</li> </ul> <p>Optical system: UIS (Universal Infinity Corrected System) with infinity correction calibration.</p>

64	Microscope with camera	Third country	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• 100% brand new.</li> <li>• Year of manufacture: From 2024 onward.</li> <li>• Power supply: 220 V.</li> <li>• Operating environment: Suitable for the climate in Vietnam.</li> </ul> <p><b>II. Supplied Configuration:</b></p> <ul style="list-style-type: none"> <li>• Microscope with automatic anti-fungal treatment to completely prevent mold growth. Optical system with UIS (Universal Infinity Corrected System) infinity correction calibration. Observation head with 3 optical paths allowing connection to camera and video recording devices. Fixed split ratio: 50% binocular, 50% video/photo.</li> <li>• Software for computer connection included.</li> </ul>
65	Centrifuge	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• 100% brand new.</li> <li>• Year of manufacture: From 2024 onward.</li> <li>• Power supply: 220 V.</li> <li>• Operating environment: Suitable for the climate in Vietnam.</li> </ul> <p><b>II. Specifications:</b></p> <ul style="list-style-type: none"> <li>• Maximum speed: 18,000 RPM.</li> <li>• Maximum centrifugal force (RCF): 27,020 xg.</li> <li>• Maximum capacity: 1000 ml (4 x 250 ml tubes).</li> </ul>
66	Slide warmer	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• 100% brand new.</li> <li>• Year of manufacture: From 2024 onward.</li> <li>• Power supply: 220 V.</li> <li>• Operating environment: Suitable for the climate in Vietnam.</li> </ul> <p>Adjustable temperature range: From ambient temperature up to 95°C (±1°C) at 20°C ambient.</p> <ul style="list-style-type: none"> <li>• Dimensions: 450 x 183 x 85 mm (L x W x H).</li> <li>• Ultra-fast heating system with temperature control function and memory function to maintain desired startup temperature.</li> </ul>
67	Paraffin oven	Third country	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• 100% brand new.</li> <li>• Year of manufacture: From 2024 onward.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for the climate in Vietnam.</li> </ul> <p><b>II. Specifications:</b></p> <ul style="list-style-type: none"> <li>• Paraffin bath and Paraffin drying oven (Tissue embedding machine).</li> <li>• The machine is designed with 2 modules: Tissue embedding module and cooling module, which can be assembled and interchanged with each other.</li> </ul>
68	Biopsy/specimen table	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• 100% brand new.</li> <li>• Year of manufacture: From 2024 onward.</li> <li>• Power supply: 220 V or 380 V.</li> </ul>

				<ul style="list-style-type: none"> <li>Operating environment: Suitable for the climate in Vietnam.</li> </ul> <b>II. Specifications:</b> <ul style="list-style-type: none"> <li>Also known as a specialized specimen dissection system.</li> <li>Made of high-quality stainless steel (USA standard).</li> <li>Equipped with SafeDraft ventilation system.</li> <li>Integrated air filtration system Maestro Encore.</li> <li>Maestro Encore features an integrated air circulation monitoring system.</li> <li>Built-in camera system.</li> </ul>
69	Microtome blade	<i>Third country</i>	1	<b>I. General Requirements:</b> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: From 2024 onward.</li> <li>Power supply: 220 V or 380 V.</li> <li>Operating environment: Suitable for the climate in Vietnam.</li> </ul> <b>II. Specifications:</b> <ul style="list-style-type: none"> <li>Blade types: Steel blade, glass blade, diamond blade, or tungsten carbide blade, depending on specific applications.</li> <li>Blade holder: Adjustable cutting angle and blade height to produce precise slices.</li> <li>Section thickness adjustment system.</li> <li>Specimen clamp: Quick-release design for securely fixing the specimen.</li> <li>Display: LCD screen showing the number of slices cut.</li> <li>Water bath: Used to flatten the tissue sections before staining.</li> </ul>
70	Paraffin dispenser	<i>Third country</i>	2	<b>I. General Requirements:</b> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V or 380 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <b>II. Provided Configuration:</b> <ul style="list-style-type: none"> <li>Paraffin bath and Paraffin drying oven (embedding machine).</li> </ul> <p>The machine is designed with 2 modules: embedding module and cooling module, which can be assembled or interchanged.</p>
71	Mortuary refrigerator (4 bodies)	<i>Korea</i>	1	<b>I. General Requirements:</b> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V or 380 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <b>II. Provided Configuration:</b> <ul style="list-style-type: none"> <li>Insulation made of POLYURETHANE.</li> <li>Digital temperature display.</li> <li>Cooling system installed on top.</li> </ul>

				<ul style="list-style-type: none"> <li>Refrigerant: R513A.</li> <li>Cooling capacity: 2,900 BTU/H.</li> </ul>
72	Slide staining machine	<i>Korea</i>	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V or 380 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Provided Configuration:</b></p> <ul style="list-style-type: none"> <li>Can connect with an automatic slide labeling machine through the Transfer System module.</li> <li>Touchscreen interface displaying the position and status of each staining reagent cup and each staining rack.</li> </ul>
73	Water bath	<i>Korea</i>	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V or 380 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Provided Configuration:</b></p> <ul style="list-style-type: none"> <li>Large bath accommodating more cutting ranges.</li> <li>Ultra-fast heating system.</li> <li>Drying area for glass slides located on the upper edge of the bath.</li> <li>Safety protection mode against overheating.</li> </ul> <p>Exterior made of epoxy-coated stainless steel, resistant to corrosion and scratches.</p>
74	Microscope with camera	<i>Third country</i>	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Provided Configuration:</b></p> <ul style="list-style-type: none"> <li>Diverse and convenient optical system, magnification levels of 10x, 40x, 100x (oil immersion objective).</li> <li>Adjustable illumination system to suit magnification and sample type.</li> <li>Materials: Durable, corrosion-resistant, easy to clean.</li> <li>Ergonomic design and mechanism.</li> <li>Software for computer connectivity.</li> <li>Color imaging capability.</li> <li>Includes objectives capable of observing cells.</li> </ul>
75	Automatic blood coagulator apparatus	<i>Third country</i>	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Provided Configuration:</b></p> <ul style="list-style-type: none"> <li>High capacity.</li> </ul>

				<ul style="list-style-type: none"> <li>Capable of performing basic quantitative coagulation tests.</li> <li>Intelligent software with connectivity to the laboratory's internal network.</li> </ul>
76	Cell electrophoresis system	Third country	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Provided Configuration:</b></p> <ul style="list-style-type: none"> <li>Capable of segmenting and quantifying basic parameters.</li> <li>Able to segment and identify abnormal variants.</li> </ul>
77	Binocular microscope	Third country	1	<p>Third Country Quantity: 1</p> <p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Provided Configuration:</b></p> <ul style="list-style-type: none"> <li>Diverse and convenient optical system with magnifications of 10x, 40x, and 100x (oil immersion objective).</li> <li>Adjustable illumination system to suit magnification levels and specimen types.</li> <li>Materials: Durable, corrosion-resistant, and easy to clean.</li> <li>Ergonomic design and mechanism.</li> </ul>
78	Hematocrite centrifuge, 24 capillaries	Korea	2	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>Number of tubes to centrifuge: 24 tubes of 5 ml or more.</li> <li>Maximum centrifuge speed: 4000 rpm.</li> </ul>
79	Refrigerator for blood keeping 250 lit	Korea	2	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V or 380 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>Design: Upright refrigerator.</li> <li>Capacity: 250 liters or more.</li> <li>At least 4 compartments.</li> <li>Internal temperature range: 2–8°C.</li> </ul>

				<ul style="list-style-type: none"> <li>Transparent glass door with temperature display screen.</li> <li>Equipped with an alarm system.</li> </ul>
80	Chemical refrigerator	<i>Korea</i>	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V or 380 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>Capacity: 400 liters or more.</li> <li>At least 4 compartments.</li> <li>Internal temperature range: 2–8°C.</li> <li>Two transparent glass doors with temperature display screens.</li> <li>Equipped with an alarm system.</li> </ul>
81	Multi-function centrifuge	<i>Korea</i>	2	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V or 380 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>Number of tubes: from 12 tubes of 5 ml or more.</li> <li>Maximum centrifuge speed: 6000 rpm.</li> </ul>
82	Automatic blood cell counter 18 or 22 parameters	<i>Third country</i>	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V or 380 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>High processing capacity.</li> <li>Automatic blood cell counter with at least 18 parameters, including: <ul style="list-style-type: none"> <li>Basic Complete Blood Count (CBC) parameters</li> <li>Basic white blood cell differential parameters</li> <li>Reticulocyte parameters</li> <li>Body fluid analysis parameters</li> <li>Nucleated red blood cells (NRBCs)</li> <li>Immature white blood cells</li> </ul> </li> <li>Capable of connecting to the laboratory's internal network.</li> </ul>
83	Elisa system Automatic	<i>Third country</i>	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>100% brand new.</li> <li>Year of manufacture: 2024 or later.</li> <li>Power supply: 220 V or 380 V.</li> <li>Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p>

				<ul style="list-style-type: none"> <li>• Medium sample throughput, with continuous sample loading capability.</li> <li>• Wide, linear measuring range with high result accuracy.</li> <li>• Accurate sample and reagent aspiration system.</li> <li>• Automatic reagent identification and management.</li> <li>• Built-in automatic sample dilution function.</li> <li>• User-friendly interface with LIS/HIS connectivity, statistical and reporting functions.</li> <li>• Safe, easy to maintain and service.</li> </ul>
84	Erythrocyte sedimentation rate meter	Third country	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• 100% brand new.</li> <li>• Year of manufacture: 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>• Medium throughput capacity.</li> </ul> <p>Capable of connecting to the laboratory internal network (LIS/HIS).</p>
85	Automatic Platelet separation machine	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• 100% brand new.</li> <li>• Year of manufacture: 2024 or later.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for the climate of Vietnam.</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>• Capable of separating blood components such as platelets.</li> <li>• User-friendly and convenient operation.</li> </ul>
86	Clean box	Korea	1	Ensures cleanliness, durability, and ease of cleaning and disinfection.
87	Dehumidifier	Korea	3	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• 100% brand new.</li> <li>• Year of manufacture: From 2024 onwards.</li> <li>• Power supply: 220 V or 380 V.</li> <li>• Operating environment: Suitable for Vietnam's climate.</li> </ul> <p><b>II. Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>• Quiet operation, durable, easy to clean, and safe to use.</li> <li>• Automatically adjusts power to maintain set humidity; equipped with advanced air filter and intelligent control system.</li> <li>• Suitable condensate tank capacity; automatic shut-off function; capable of connecting to a direct drainage system.</li> <li>• User manual in Vietnamese included.</li> </ul>
88	Electric shaker for blood tube	Korea	2	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• 100% brand new.</li> <li>• Year of manufacture: From 2024 onwards.</li> <li>• Power supply: 220 V or 380 V.</li> </ul>

				<ul style="list-style-type: none"> <li>Operating environment: Suitable for Vietnam's climate.</li> </ul> <p><b>II. Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>Must be compatible with standard blood collection tubes.</li> <li>Capable of holding and mixing 20–30 tubes simultaneously.</li> <li>Quiet operation with noise level typically below 50 dB to avoid disturbing the working environment.</li> <li>Adjustable mixing speed; suitable for continuous operation.</li> <li>Non-slip surface to stabilize tubes during mixing; unit made from durable, easy-to-clean materials resistant to mild chemicals.</li> </ul> <p>Safe to use.</p>
89	Refrigerator – 300C 250L	Korea	2	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supply configuration: Design: horizontal cabinet Capacity: 250 liters or more Temperature inside the cabinet: below minus 30oC With temperature display screen With warning system</p>
90	Thrombosshaker	Korea	1	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supply configuration: With continuous horizontal platelet shaking function Number of compartments: 3 compartments or more</p>
91	Patient Monitor	Korea	2	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>2. Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Main unit</li> <li>- Multi-parameter measuring block with standard accessories</li> <li>- ECG measuring cable and measuring set with electrodes 01 set</li> <li>- SpO2 measuring cable and accessories 01 set</li> <li>- NIBP non-invasive blood pressure measuring cable and cuff 01 set</li> <li>- Temperature measuring cable and accessories 01 set</li> <li>- IBP invasive blood pressure measuring cable and</li> </ul>

				<p>accessories 02 sets</p> <ul style="list-style-type: none"> <li>- CO2 concentration measuring block with standard accessories 01 set</li> <li>- CO2 concentration measuring cable and accessories 01 set</li> <li>- PR concentration measuring cable and accessories 01 set</li> </ul>
92	Ventilator	Korea	1	<p><b>GENERAL REQUIREMENTS</b></p> <p>+ 100% new equipment, manufactured in 2024 or later, Supplied configuration</p> <ul style="list-style-type: none"> <li>- Main machine with display screen: 01 machine</li> <li>- Accessories included: <ul style="list-style-type: none"> <li>+ Air warmer: 01 set</li> <li>+ Humidifier for adults and children: 01 unit</li> <li>+ Humidifier for infants: 01 unit</li> <li>+ Warmer/humidifier holder: 01 unit</li> <li>+ Silicone reusable breathing circuit for adults: 01 set</li> <li>+ Silicone reusable breathing circuit for children: 01 set</li> <li>+ Silicone reusable breathing circuit for infants: 01 set</li> <li>+ Adult artificial lung for machine testing (purchased domestically): 01 unit + Child artificial lung for machine testing (purchased domestically): 01 unit</li> <li>+ Infant artificial lung for machine testing (purchased domestically): 01 unit</li> <li>+ Mask Adult breathing mask (purchased domestically): 01 piece</li> <li>+ Child breathing mask (purchased domestically): 01 piece</li> <li>+ Newborn breathing mask (purchased domestically): 01 piece</li> <li>+ Reusable exhalation filter (with water trap) for adults: 01 set</li> <li>+ Disposable exhalation filter (with water trap) for newborns: 01 set</li> <li>+ Reusable inhalation filter: 01 set</li> <li>+ O2, compressed air and connector set: 01 set</li> <li>+ Breathing tube support: 01 piece</li> <li>+ Synchronous backup battery: 01 piece</li> <li>+ Synchronous machine trolley: 01 piece</li> <li>+ AC power cord: 01 piece</li> <li>+ Synchronous air compressor: 01 piece</li> <li>+ User manual in English and Vietnamese: 01 set</li> <li>+ Full features, breathing modes of high-end ventilators.</li> </ul> </li> </ul> <p>Ensure functions to meet non-invasive and invasive mechanical ventilation for severe and critical patients.</p>
93	Continuous Renal Replacement Therapy Apparatus	Third country	1	<p><b>I. General Requirements:</b></p> <p>Brand new, 100%.</p> <ul style="list-style-type: none"> <li>- <b>Year of manufacture:</b> From 2024 onwards, brand new.</li> <li>- <b>Power supply:</b> 220 V or 380 V.</li> <li>- <b>Operating environment:</b> Suitable for the climate conditions in Vietnam.</li> </ul> <p><b>II. Configuration Requirements:</b></p>

				Must ensure functionality for <b>Continuous Renal Replacement Therapy (CRRT)</b> and <b>Therapeutic Plasma Exchange (TPE)</b> for patients with medical indications.
94	Defibrillator (with Peacemaker)	Korea	2	<p><b>I. General Requirements:</b> Brand new, 100%. - <b>Year of manufacture:</b> From 2024 onwards. - <b>Power supply:</b> 220 V. - <b>Operating environment:</b> Suitable for Vietnam's climate conditions.</p> <p><b>II. Configuration includes:</b> - Main unit with display and recorder: 01 unit - ECG cable: 01 piece - Rechargeable battery: 01 piece - Defibrillation pads for adults and children: 01 set - Thermal paper roll: 01 roll - External pacing pad cable: 01 piece - External pacing pad set - Power cord: 01 piece - Conductive gel for defibrillation: 01 tube User manual in both English and Vietnamese: 01 set</p>
95	Hyper HypoThermia	Third country	2	<p><b>I. General Requirements:</b> Brand new, 100%. - <b>Year of manufacture:</b> From 2024 onwards. - <b>Power supply:</b> 220 V or 380 V. - <b>Operating environment:</b> Suitable for the climate conditions in Vietnam.</p> <p><b>II. Configuration Requirements:</b> Must be capable of providing <b>temperature management</b> for patients with <b>cardiac and/or respiratory arrest</b> and other related medical conditions.</p>
96	Laryngoscope	Korea	2	70-degree / 90-degree Laryngoscope
97	Infusion pump	Korea	11	<p><b>I. General Requirements:</b> Brand new, 100%. - Year of manufacture: From 2024 onwards, brand new. - Power supply: 220 V or 380 V. - Operating environment: Suitable for the climate conditions in Vietnam.</p> <p><b>II. Configuration Requirements:</b> * Infusion rate range: Suitable for both rapid intravenous infusion and slow drip infusion for neonates, adjustable in decimal increments within a range from 0.1 to 1200 ml/h (depending on model). * Total volume setting: Ability to program total infusion volume for each treatment session. * Accuracy: Ensure precise infusion rate control. * Operating modes: Continuous infusion, bolus (rapid dose delivery), and low-rate maintenance infusion (~1 ml/h). * Alarm system: Alerts for occlusion, empty fluid bag, low battery, etc.</p>

				<ul style="list-style-type: none"> <li>* Display: Clear, easy-to-read screen showing infusion rate, volume infused, remaining time, and infusion status.</li> <li>* Compatibility: Compatible with standard medical infusion sets.</li> <li>* Mounting: Able to be mounted on an IV pole or fixed on the infusion stand.</li> <li>* Alerts: Visual (lights or icons) and audible alarms.</li> </ul> <p>Power supply: Operates on mains power with backup battery.</p>
98	Stand blood pressure	Korea	20	<ul style="list-style-type: none"> <li>* High accuracy</li> </ul> <p>Complete main components: pressure gauge, rubber bulb with air release valve, cuff with air bladder suitable for upper arm measurement</p>
99	Electric syringe pump	Korea	5	<p>I. General Requirements: Brand new, 100%.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onwards.</li> <li>- Power supply: 220 V or 380 V.</li> <li>- Operating environment: Suitable for the climate conditions in Vietnam.</li> </ul> <p>II. Configuration Requirements:</p> <ul style="list-style-type: none"> <li>* Infusion rates: Regular infusion, bolus (rapid dose), and maintenance infusion; adjustable in decimal increments from 0.1 ml/h up to 1500 ml/h (depending on model and syringe size).</li> <li>* High accuracy.</li> <li>* Compatibility: Compatible with syringe sizes of 5 ml, 10 ml, 20 ml, 50/60 ml and compatible with standard syringes from various manufacturers.</li> <li>* Multiple safety alarms: occlusion, near empty, empty fluid, pressure alarms, battery warning; alerts via audible and visual signals (lights or icons).</li> <li>* Display: Clear and easy-to-read screen showing pump rate, volume infused, remaining time, and pump status.</li> <li>* Power source: Operates on mains power with backup battery.</li> <li>* Mounting: Can be mounted on IV poles or fixed on infusion stands.</li> </ul> <p>Materials: Safe and easy to clean.</p>
100	Electrocardiograph	Korea	1	<p>I. General Requirements: Brand new 100%.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onwards, brand new 100%</li> <li>- Power supply: 220 V or 380 V</li> <li>- Operating environment: Suitable for the climate conditions in Vietnam.</li> </ul> <p>II. Configuration:</p> <ul style="list-style-type: none"> <li>- Main unit: 01 piece</li> <li>- Standard accompanying accessories</li> <li>- ECG cable: 01 piece</li> <li>- Power cord: 01 piece</li> </ul>

				<ul style="list-style-type: none"> <li>- Chest suction electrodes with rubber suction cups: 06 pieces</li> <li>- Limb clip electrodes: 04 pieces</li> <li>- Printer paper for the machine: 01 roll</li> <li>- Thermal head cleaning pen: 01 piece</li> <li>- Rechargeable battery: 01 piece</li> </ul> <p>12-lead ECG machine with 8-inch screen integrated with ECG result analysis software, 1 LAN port for computer connection, 2 USB ports, capable of measuring 18 leads (optional), exporting ECG files in DICOM format and able to synchronize with patient data management system</p>
101	Autoclave 750L (02 doors)	Korea	2	<p>General Requirements</p> <p>Year of manufacture: From 2024 onwards, brand new 100%</p> <p>Device Configuration</p> <p>High-temperature steam sterilizer with electric sliding double doors, square chamber, integrated internal steam generator, 01 unit, including:</p> <p>Main unit: 01 set</p> <p>Original manufacturer's loading racks: 02 units</p> <p>Original manufacturer's transport trolleys: 02 units</p> <p>User manual documentation: 01 set</p> <p>The sterilizer is equipped with full safety features and complete programs, meeting infection control requirements.</p>
102	Plasma Autoclave 100L	Korea	1	<p>General Requirements</p> <p>Year of manufacture: From 2024 onwards, brand new 100%</p> <p>Device Configuration</p> <p>Supplied Configuration</p> <ol style="list-style-type: none"> <li>1. Biological Indicator Incubator</li> <li>2. Instrument trays</li> <li>3. Tray liners</li> <li>4. Sterilant solution container</li> <li>5. Chemical indicator strips</li> <li>6. Biological indicator strips</li> <li>7. Instrument pouches</li> <li>8. Chemical indicator tape</li> <li>9. Standard accessories</li> </ol> <p>Maintenance kit included (if available)</p>
103	Autoclave 300L (02 doors)	Korea	1	<p>General Requirements</p> <p>Year of manufacture: From 2024 onwards, brand new 100%</p> <p>Device Configuration</p> <p>High-temperature steam sterilizer with electric double sliding doors, square chamber, integrated built-in steam generator, 01 unit, including:</p> <p>Main unit: 01 set</p> <p>Original manufacturer's loading rack: 02 units</p> <p>Original manufacturer's transport trolley: 02 units</p> <p>User manual documentation: 01 set</p> <p>The sterilizer must be fully equipped with safety features, complete programs, and must meet infection</p>

				control requirements.
104	Ultrasound washer (200-300 l)	Korea	1	<p><b>I. General Requirements:</b> Brand new 100%.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onwards</li> <li>- Power supply: 220 V or 380 V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>Ultrasonic Instrument Cleaner Supplied Configuration includes:</p> <ul style="list-style-type: none"> <li>- Main unit with 300-liter capacity</li> <li>- Instrument basket</li> </ul> <p>User manual</p>
105	Cloth washer 100 kg	Korea	2	<p><b>I. General Requirements:</b> Brand new 100%.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onwards</li> <li>- Power supply: 220 V or 380 V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>Control System: Large LCD screen, option for button panel or touchscreen control. Material: Washing drum made of SUS304 stainless steel, ensuring high durability. Vibration Reduction: Vibration reduction system combining springs and bearings, reducing vibration by up to 98%. Technical Specifications: Capacity: 100 kg Hot water washing mode available.</p>
106	Cloth washer 50 kg	Korea	1	<p><b>I. General Requirements:</b> Brand new 100%.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onwards</li> <li>- Power supply: 220 V or 380 V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>Control System: Large LCD screen, with options for button panel or touchscreen control. Material: Washing drum made of SUS304 stainless steel, ensuring high durability. Vibration Reduction: Vibration reduction system combining springs and bearings, reducing vibration by up to 98%. Technical Specifications: Capacity: 50 kg Hot water washing mode available.</p>
107	Dressing dryer, 100 kg	Korea	1	<p><b>I. General Requirements:</b> Brand new 100%.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onwards</li> <li>- Power supply: 220 V or 380 V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>Material: Drying drum made of stainless steel with smooth surface treatment to protect fabrics or equivalent. Dryer Door: Tempered glass or equivalent. Heating System: Made of stainless steel, corrosion resistant, fast heating speed.</p>

				Control: Automatic microprocessor control with operation status display on screen. Safety Features: Sensor to stop operation when the door is opened, heat loss protection system.
108	Iron machine, rolling type	Korea	1	I. General Requirements: Brand new 100%. - Year of manufacture: From 2024 onwards - Power supply: 220 V or 380 V - Operating environment: Suitable for Vietnam's climate Material: Roller made of stainless steel, corrosion resistant. Heating System: Electric or steam powered, ensuring stable temperature. Roller Speed: Adjustable according to fabric type. Control System: Intelligent microprocessor control with operation status display.
109	EO gas treatment	Korea	1	I. General Requirements: Brand new 100%. - Year of manufacture: From 2024 onwards - Power supply: 220 V or 380 V - Operating environment: Suitable for Vietnam's climate. II. Configuration Includes: Sterilization chamber: Where items to be sterilized are placed; typically made of stainless steel. EO gas injection system: Delivers ethylene oxide gas into the sterilization chamber at the appropriate concentration. Control unit: Monitors and regulates temperature, pressure, and sterilization time to ensure optimal effectiveness. Ventilation system: Removes excess EO gas after the sterilization process to ensure safety. Gas filtration unit: Treats exhaust gas before releasing it into the environment.
110	Ultrasound washer (for endoscopy instrument)	Korea	1	I. General Requirements: Brand new 100%. - Year of manufacture: From 2024 onwards - Power supply: 220 V or 380 V - Operating environment: Suitable for Vietnam's climate. II. Supplied Configuration: Ultrasonic washer for endoscopic instruments Supplied configuration includes: Instrument basket User manual
111	Iron machine, compressor type	Korea	1	I. General Requirements: Brand new 100% - Year of manufacture: From 2024 onwards - Power supply: 220 V or 380 V - Operating environment: Suitable for Vietnam's climate II. Supplied Configuration:

				<p>Frame: Made of stainless steel, durable and robust</p> <p>Heating system: Uses electricity or steam to ensure stable temperature</p> <p>Pressing pressure: Adjustable according to fabric type or materials to be pressed</p> <p>Pressing surface: Usually coated with non-stick layer to protect fabrics</p> <p>Control system: Intelligent microprocessor, allowing setting of temperature and pressing time</p>
112	EO gas Sterilizer	Korea	1	<p>I. General Requirements:</p> <p>Brand new 100%.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onwards</li> <li>- Power supply: 220 V or 380 V</li> <li>- Operating environment: Suitable for the climate in Vietnam</li> </ul> <p>II. Supplied Configuration:</p> <p>Capacity: &gt; 200 liters</p> <p>Technology: EO-FCT (Flexible Chamber Technology) enabling low-temperature sterilization with minimal EO gas consumption</p> <p>Control system: Intelligent microprocessor controller ensuring safety and efficiency</p> <p>Safety features: Sterilization chamber maintains negative pressure to prevent EO gas leakage</p> <p>EO gas consumption: Only 1/10 compared to conventional systems</p>
113	Plasma Autoclave 30L	Korea	1	<p>General Requirements</p> <p>Year of manufacture: From 2024 onwards, brand new 100%</p> <p>Device Configuration</p> <p>Supplied Configuration:</p> <ol style="list-style-type: none"> <li>1. Biological Indicator Incubator</li> <li>2. Instrument tray</li> <li>3. Tray liner</li> <li>4. Container for sterilant solution</li> <li>5. Chemical indicator strips</li> <li>6. Biological indicator strips</li> <li>7. Instrument pouches</li> <li>8. Chemical indicator tape</li> <li>9. Standard accessories</li> </ol> <p>Maintenance kit (if any)</p>
114	Patient bed	Korea	10	<p>I. General Requirements:</p> <p>Brand new 100%.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward.</li> <li>- Power supply: 220V or 380V.</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied Configuration:</p> <p>Bed frame: Made of stainless steel or aluminum alloy for durability and ease of cleaning.</p> <p>Bed surface: Constructed from steel mesh or ABS plastic panels to ensure ventilation and easy maintenance.</p> <p>Casters: Equipped with swivel wheels for mobility,</p>

				with locking mechanism for position stability. Side rails: Safety rails on both sides, adjustable up and down according to user needs.
115	Laser YAG machine	Third country	1	<p>I. General Requirements:</p> <ol style="list-style-type: none"> <li>1. The equipment must be brand new, manufactured in 2024 or later.</li> <li>2. Manufacturer must be certified to international quality standards: ISO 13485, CE, FDA, or equivalent.</li> <li>3. Power supply: 220V / 50Hz</li> <li>4. Operating environment: <ul style="list-style-type: none"> <li>+ Maximum temperature: <math>\geq 30^{\circ}\text{C}</math></li> <li>+ Maximum humidity: <math>\geq 80\%</math></li> </ul> </li> </ol> <p>II. Configuration:</p> <p>Yag Laser Machine for Ophthalmology with standard accessories: 01 set</p> <p>Minimum configuration includes:</p> <ul style="list-style-type: none"> <li>+ Main unit integrated with slit lamp: 01 unit</li> <li>+ Dust cover: 01 piece</li> <li>+ Spare fuse: 01 piece</li> <li>+ Genuine high quality electric lift table: 01 piece</li> <li>+ Treatment lens for peripheral iridotomy: 01 piece</li> <li>+ Treatment lens for posterior capsulotomy: 01 piece</li> <li>+ Chin rest paper: 01 pack</li> <li>+ Key: 01 piece</li> <li>+ Power cable: 01 set</li> <li>+ User manual: 01 set</li> </ul> <p>III. Detailed Features and Technical Specifications:</p> <p>Compact design, 30 energy levels ranging from 0.5 – 10 mJ, dual red aiming beams for precise targeting, integrated safety features ensure optimal laser system performance</p> <p>E-slitlight LED provides thousands of hours of solid-state white illumination</p> <p>Energy adjustment keys conveniently located near joystick for precise control</p> <p>PPS technology ensures consistent output energy, exceeding current industry standards</p> <p>Integrated electronics housed below the table, allowing for easy relocation and immediate operation</p> <p>Technical Specifications:</p> <p>YAG laser device using Nd:YAG laser technology integrated with a slit lamp</p> <p>* Laser Module:</p> <ul style="list-style-type: none"> <li>- Laser type: Q-switched Nd:YAG</li> <li>- Wavelength: <math>\geq 1064\text{ nm}</math></li> <li>- Energy per pulse: <math>\leq 0.5\text{ mJ}</math> to <math>\geq 10\text{ mJ}</math>, adjustable in at least 30 steps</li> <li>- Spot size: <math>&lt; 10\text{ }\mu\text{m}</math></li> <li>- Cone angle: <math>\geq 16^{\circ}</math></li> <li>- Repetition rate: <math>\geq 3\text{ Hz}</math></li> <li>- Burst mode: 1, 2 or 3 pulses</li> <li>- Pulse duration: <math>\leq 4\text{ ns}</math></li> </ul>

				<ul style="list-style-type: none"> <li>- Aiming beam: Diode type; wavelength 650 nm; continuously adjustable intensity</li> <li>- Cooling system: Air convection or better</li> <li>* Slit Lamp:             <ul style="list-style-type: none"> <li>- Type: E-Slitlight</li> <li>- Light source: White LED</li> </ul> </li> <li>- Magnification: At least 3 levels between <math>\leq 10x</math> to <math>\geq 25x</math></li> <li>* Table:             <ul style="list-style-type: none"> <li>- Type: Central base</li> <li>- Dimensions: Approx. 600 x 480 mm</li> </ul> </li> </ul> <p>IV. Other Requirements:</p> <ol style="list-style-type: none"> <li>1. Delivery and installation at user site; warranty period: <math>\geq 12</math> months from acceptance.</li> <li>2. Free labor for post-warranty maintenance: <math>\geq 12</math> months.</li> <li>3. Regular preventive maintenance during warranty period per manufacturer guidelines.</li> <li>4. Emergency service response time: <math>\leq 6</math> hours upon request.</li> <li>5. Provide a maintenance checklist as per manufacturer recommendations.</li> <li>6. Technicians must be officially trained by the manufacturer.</li> <li>7. Must be the official distributor or legally authorized representative of the manufacturer.</li> </ol> <p>Commitment to supply consumables and spare parts for at least 08 years.</p> <ol style="list-style-type: none"> <li>8. Provide an annual maintenance quotation including terms for routine and emergency maintenance.</li> <li>9. Spare parts price list must remain unchanged for a minimum of 08 years post-warranty.</li> <li>10. User manual (English + Vietnamese), Maintenance document (English)</li> </ol> <p>There is a written commitment to provide full upon delivery</p>
116	OCT (Optical Coherence Tomography)	Third country	1	<p>Proposed Technical Specifications</p> <p>I. GENERAL REQUIREMENTS:</p> <ol style="list-style-type: none"> <li>1. Equipment manufactured in 2024 or later; 100% brand new</li> <li>2. Manufacturer must be certified with ISO 9001 and ISO 13485 quality management standards or equivalent</li> <li>3. Power supply: 220V; 50Hz</li> <li>4. Operating environment: Maximum temperature: 30°C Maximum humidity: 75%</li> </ol> <p>II. CONFIGURATION:</p> <ol style="list-style-type: none"> <li>1. Main unit integrated with computer and 22-inch LCD monitor: 01 set</li> <li>2. Keyboard and computer mouse: 01 piece</li> <li>3. External fixation light: 01 set</li> <li>4. Anterior chamber imaging mirror set: 01 set</li> </ol>

			<p>5. Corneal imaging mirror: 01 piece</p> <p>6. Integrated dual chin rest with automatic left/right eye recognition: 01 piece</p> <p>7. Manufacturer's original table stand for main unit: 01 piece</p> <p>8. Compatible color printer: 01 piece</p> <p>9. Retinal nerve fiber layer (RNFL) thickness analysis software: 01 license</p> <p>10. Macular thickness analysis software: 01 license</p> <p>11. 5-Line analysis software: 01 license</p> <p>12. Optic disc analysis with normative database: 01 license</p> <p>13. HD 5-Line analysis with enhanced image depth function: 01 license</p> <p>14. Ganglion cell analysis software: 01 license</p> <p>15. Bilateral macular thickness analysis software: 01 license</p> <p>16. Total refractive results for each individual eye: 01 license</p> <p>17. Retinal pigment epithelium (RPE) layer analysis software: 01 license</p> <p>18. Eye movement tracking software: 01 license</p> <p>19. High-resolution fundus imaging software: 01 license</p> <p><b>III. TECHNICAL FEATURES</b></p> <p>The Optical Coherence Tomography (OCT) and angiography device shall perform the following functions:</p> <p><b>1. Anterior Segment Imaging:</b></p> <ul style="list-style-type: none"> <li>- Volume scanning</li> <li>- High-resolution corneal imaging</li> <li>- Corneal thickness measurement</li> <li>- High-resolution anterior chamber angle imaging</li> <li>- Wide angle-to-angle scanning</li> <li>- 5-line raster scanning</li> <li>- Wide angle-to-angle scanning</li> <li>- Epithelial thickness mapping (9 mm) and corneal thickness map</li> <li>- High-resolution corneal images with measurement scale</li> <li>- Full anterior segment observation to measure size and distance suitable for phakic IOL implantation</li> <li>- Anterior chamber angle visualization and glaucoma-related measurement tools (AOD, TISA, SSA)</li> </ul> <p><b>2. Posterior Segment Imaging:</b></p> <ul style="list-style-type: none"> <li>- Volume scanning (macula and optic disc)</li> <li>- HD Raster scanning (1, 5, 21 lines, cross, radial)</li> <li>- Raster length: 3–12 mm, with 100x image averaging</li> </ul> <p><b>OCTA:</b></p>
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			<ul style="list-style-type: none"> <li>- Scan sizes: 3×3, 6×6, 8×8, 12×12 mm (macula); 4.5×4.5 mm (optic nerve head)</li> <li>- Montage scans: 14×10 mm and 14×14 mm</li> </ul> <p><b>3. Software and Functionalities:</b></p> <p><b>Retina:</b></p> <ul style="list-style-type: none"> <li>- Macular thickness analysis with normative databases (multi-ethnic and Asian)</li> <li>- Macular change analysis</li> <li>- Advanced retinal pigment epithelium layer analysis</li> <li>- 3D retinal volume imaging</li> <li>- Layer-by-layer retinal analysis</li> <li>- Wellness exam function for retinal screening</li> </ul> <p><b>Glaucoma:</b></p> <ul style="list-style-type: none"> <li>- Glaucoma progression analysis (GPA)</li> <li>- Ganglion cell layer thickness analysis with normative databases (multi-ethnic and Asian)</li> <li>- RNFL thickness analysis with normative databases (multi-ethnic and Asian)</li> <li>- Optic nerve head (ONH) analysis with normative databases (multi-ethnic and Asian)</li> <li>- Average cup/disc ratio</li> <li>- RNFL thickness: superior, inferior, and average</li> <li>- Wellness exam function for fundus screening</li> </ul> <p><b>Angiography Quantification (AngioPlex Metrics):</b></p> <ul style="list-style-type: none"> <li>- Macular region</li> <li>- Foveal avascular zone (FAZ)</li> <li>- Perfusion density (ETDRS grid)</li> <li>- Vessel density (ETDRS grid)</li> <li>- Optic disc</li> <li>- Capillary perfusion density</li> <li>- Capillary flow index</li> <li>- Comparison of two angiography scans</li> </ul> <p><b>4. Angiography Imaging:</b></p> <ul style="list-style-type: none"> <li>- Volume scans: 8x8 mm, 6x6 mm, 3x3 mm</li> <li>- 4 B-scans per location</li> <li>- OMAG signal processing algorithm (phase and amplitude)</li> <li>- Evaluation of changes in vessel density, perfusion density, and avascular zone area</li> </ul> <p><b>IV. TECHNICAL PARAMETERS</b></p> <ul style="list-style-type: none"> <li>- <b>Measurement Method:</b> Spectral Domain OCT (SD-OCT)</li> <li>- <b>Light Source:</b> Superluminescent diode (SLD), wavelength 840 nm</li> <li>- <b>A-scan depth:</b> 2.0 – 2.9 mm (in tissue)</li> <li>- <b>Scanning speed:</b> 100,000 A-scans per second</li> <li>- <b>Minimum pupil diameter:</b> 2.0 mm</li> </ul> <p><b>Resolution:</b></p>
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				<ul style="list-style-type: none"> <li>- Lateral (horizontal) resolution of the scan: 5 μm (in tissue), 1.95 μm (digital)</li> <li>- Axial (vertical) resolution of the scan: 15 μm (in tissue)</li> <li>- <b>Refraction compensation:</b> -20D to +20D (diopters)</li> </ul> <p><b>Fundus photography:</b></p> <ul style="list-style-type: none"> <li>- Technology: Line-Scan Ophthalmoscope (LSO)</li> <li>- Light source: Superluminescent diode, 750 nm wavelength</li> <li>- Field of view (degrees): 36 × 30</li> </ul> <p><b>Integrated computer system:</b></p> <ul style="list-style-type: none"> <li>- Display: 22" widescreen HD monitor</li> <li>- Resolution: 1920 × 1080 pixels</li> <li>- Internal storage: 2 TB with 128 GB SSD</li> <li>- USB ports: 8</li> <li>- Input devices: Wireless keyboard and mouse</li> <li>- Processor: Intel® Core i7 (7th Generation)</li> <li>- Operating system: Windows® 10 Enterprise</li> </ul> <p><b>V. OTHER REQUIREMENTS:</b></p> <ol style="list-style-type: none"> <li>1. Delivery and installation must be performed at the site of use; the warranty period shall be 12 months from the date of acceptance and handover.</li> <li>2. Periodic maintenance during the warranty period shall follow the manufacturer's regulations.</li> <li>3. In case of unexpected inspection or repair requests, the supplier must be able to respond within 48 hours.</li> <li>4. A team of engineers must be trained and certified by the original manufacturer.</li> </ol> <p>User manuals must be provided.</p>
117	Slit Lamp with Digital Camera	Korea	2	<p><b>Proposed Technical Specifications</b></p> <p><b>Eye Examination Microscope with Integrated Camera</b></p> <p><b>GENERAL REQUIREMENTS</b></p> <ul style="list-style-type: none"> <li>- The equipment must be manufactured in 2024 or later.</li> <li>- 100% brand new.</li> <li>- Compliant with ISO 13485 quality standards.</li> <li>- CE, FDA, or equivalent certification required.</li> <li>- Compatible with the Vietnamese power grid.</li> <li>- Operating environment:             <ul style="list-style-type: none"> <li>+ Maximum humidity: ≥ 80%</li> <li>+ Maximum temperature: ≥ 30°C</li> </ul> </li> </ul> <p><b>CONFIGURATION REQUIREMENTS</b></p> <ul style="list-style-type: none"> <li>- Main unit: 01 system</li> <li>- Eyepieces 10x or 12.5x: 02 units</li> <li>- Camera: 01 unit</li> <li>- Computer set with keyboard and mouse: 01 set</li> <li>- Chin rest: 01 unit</li> <li>- Dust cover: 01 unit</li> <li>- Electric table stand: 01 unit</li> <li>- Power cable: 01 unit</li> </ul>

				<ul style="list-style-type: none"> <li>- User manual: 01 set</li> <li>- Computer and display monitor: 01 set</li> </ul> <p><b>TECHNICAL FEATURES</b></p> <ul style="list-style-type: none"> <li>- Joystick control included</li> <li>- Magnification: At least 3 steps of magnification with 10x or 12.5x eyepieces</li> <li>- Diopter adjustment: <math>\pm \geq 8</math> diopters</li> <li>- Light source: LED</li> <li>- Filters: Red, green, blue, diffuser, grey, blue light cut filter</li> <li>- Microscope movement range:             <ul style="list-style-type: none"> <li>+ Horizontal (side-to-side): <math>\geq 100</math> mm</li> <li>+ Vertical (up/down): <math>\geq 30</math> mm</li> <li>+ Longitudinal (forward/backward): <math>\geq 90</math> mm</li> </ul> </li> <li>- Slit width: Continuously adjustable from 0 to <math>\geq 12</math> mm</li> <li>- Slit length: Continuously adjustable from <math>\leq 1</math> to <math>\geq 12</math> mm</li> <li>- Vertical slit angle adjustment: <math>0^\circ</math> to <math>20^\circ</math>, step size <math>\leq 5^\circ</math></li> <li>- Camera resolution: <math>\geq 18</math> MP</li> <li>- Slit lamp head rotation angle: <math>180^\circ</math></li> <li>- <b>Computer Specifications:</b> <ul style="list-style-type: none"> <li>+ Processor: Intel Core i3 or higher</li> <li>+ RAM: <math>\geq 4</math> GB</li> <li>+ Hard drive: <math>\geq 128</math> GB</li> <li>+ Monitor: <math>\geq 21</math> inches</li> </ul> </li> </ul> <p><b>OTHER REQUIREMENTS</b></p> <ul style="list-style-type: none"> <li>- Delivery and installation must be performed at the site of use.</li> <li>- Warranty period: 12 months from the date of acceptance and handover.</li> <li>- Periodic maintenance during the warranty period must be performed according to the manufacturer's regulations.</li> <li>- In the event of an emergency service request, a qualified engineer must be dispatched within 48 hours.</li> <li>- The supplier must commit to providing consumables and spare parts for at least 05 years.</li> </ul> <p>Must provide a letter of authorization from the manufacturer or a legal distributor in Vietnam, or equivalent documentation proving a valid partnership.</p>
118	A-B echo scanner	Third country	1	<p><b>Proposed Technical Specifications</b></p> <p><i><b>I. General Requirements:</b></i></p> <ol style="list-style-type: none"> <li>1. <b>Year of manufacture:</b> 2025 or later, 100% brand new.</li> <li>2. <b>Manufacturer's certification:</b> Must comply with international quality standards ISO 13485 or CE or FDA or equivalent.</li> <li>3. <b>Power supply:</b> 220V / 50Hz.</li> <li>4. <b>Operating environment:</b> <ul style="list-style-type: none"> <li>+ Maximum temperature: <math>\geq 35^\circ\text{C}</math>.</li> <li>+ Maximum humidity: <math>\geq 75\%</math>.</li> </ul> </li> </ol>

			<p><b>II. Basic Configuration Requirements:</b></p> <ol style="list-style-type: none"> <li>1. Combined A-B scan ophthalmic ultrasound system with standard accessories: 01 unit</li> <li>2. A-scan probe: 01 piece</li> <li>3. B-scan probe: 01 piece</li> <li>4. Probe holder: 01 piece</li> <li>5. Protective padded case: 01 set</li> <li>6. Computer: 01 unit</li> <li>7. Printer: 01 unit</li> <li>8. Immersion cup kit: 01 set</li> <li>9. User manual: 01 set</li> <li>10. Equipment table: 01 unit</li> </ol> <p><b>III. Technical Specifications:</b></p> <p><b>The system must integrate both A-scan and B-scan ultrasound functions, and be upgradable to UBM (Ultrasound Biomicroscopy).</b></p> <p><b>1* A-scan Probe Specifications:</b></p> <ul style="list-style-type: none"> <li>- Probe type: Internal probe, single-element fixed</li> <li>- A-scan probe frequency: <math>\geq 10</math> MHz</li> <li>- Measurement modes: Contact or immersion</li> <li>- IOL calculation formulas: SRK II, Binkhorst, SRK/T, Holladay 1, Hoffer Q, Haigis</li> <li>- Post-refractive and other lens formulas: Double-K (SRK/T), History derived, Clinical</li> <li>- Measurement ranges: <ul style="list-style-type: none"> <li>+ Axial length: From <math>\leq 15</math> to <math>\geq 40</math> mm</li> <li>+ Anterior chamber depth (ACD): From <math>\leq 2.0</math> to <math>\geq 6.0</math> mm</li> <li>+ Lens thickness: From <math>\leq 2.0</math> to <math>\geq 7.5</math> mm</li> <li>+ Resolution: <math>\leq 0.01</math> mm</li> <li>+ Repeatability: <math>\leq \pm 0.03</math> mm STDEV (immersion)</li> </ul> </li> </ul> <p><b>2* B-scan Probe Specifications:</b></p> <ul style="list-style-type: none"> <li>+ Frequency: <math>\geq 12.5</math> MHz</li> <li>+ Resolution: <math>\geq 256</math> lines per scan</li> <li>+ Scan angle: <math>\geq 60^\circ</math></li> <li>- Measurement mode: Contact</li> <li>- Lateral resolution accuracy: <math>\leq \pm 550</math> <math>\mu\text{m}</math></li> <li>- Axial resolution accuracy: <math>\leq 30</math> <math>\mu\text{m}</math></li> <li>- Focal distance: <math>\geq 20</math> mm</li> <li>- Depth of field: From <math>\leq 14</math> to <math>\geq 35</math> mm</li> <li>- B-scan imaging allows diagnosis of: <ul style="list-style-type: none"> <li>+ Retinal detachment</li> <li>+ Vitreous detachment</li> <li>+ Vitreous degeneration/liquefaction</li> <li>+ Posterior staphyloma</li> <li>+ Posterior segment abnormalities</li> <li>+ Choroidal disorders</li> <li>+ Optic nerve issues</li> <li>+ Scleral thickness evaluation</li> </ul> </li> </ul> <p><b>3* Software:</b></p> <ul style="list-style-type: none"> <li>+ Utilizes ultrasound technology for data processing and storage on a personal computer</li> </ul>
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				<p>+ Patient data can be stored on a desktop PC or integrated into a central network system</p> <p><b>4. Computer System:</b></p> <p>+ CPU: Intel Core i5 or higher; RAM: ≥ 4 GB; Storage: ≥ 128 GB; Display: ≥ 24-inch monitor</p> <p>+ Printer: Monochrome laser printer, standard paper size</p> <p><b>IV. Other Requirements:</b></p> <ul style="list-style-type: none"> <li>- <b>Warranty:</b> ≥ 12 months from the date of acceptance.</li> <li>- <b>Service response time:</b> Supplier must send a technician to the hospital within ≤ 48 hours upon receiving a repair request (written or by phone) during the warranty period.</li> <li>- <b>Post-warranty maintenance:</b> Supplier must provide a solution for maintenance and service after the warranty expires.</li> <li>- <b>Commissioning and training:</b> Supplier is responsible for installation, testing, handover, and providing training for operators and technical personnel on operation, maintenance, and repair.</li> </ul> <p><b>Spare parts commitment:</b> Supplier must commit to providing replacement parts for a minimum of 5 years after the warranty period ends.</p>
119	Visual field perimeter	Korea	1	<p><b>PROPOSED TECHNICAL SPECIFICATIONS</b></p> <p><b>I. GENERAL REQUIREMENTS</b></p> <ol style="list-style-type: none"> <li>1. Year of manufacture: 2024 or later, brand new 100%.</li> <li>2. Manufacturer must comply with ISO 13485 or ISO 13485 and FDA or equivalent (for the main unit).</li> <li>3. Power supply: 220V (±10%); 50 Hz.</li> <li>4. Operating environment: <ul style="list-style-type: none"> <li>+ Maximum temperature: ≥ 20°C.</li> <li>+ Maximum humidity: ≥ 70%.</li> </ul> </li> </ol> <p><b>II. CONFIGURATION</b></p> <ol style="list-style-type: none"> <li>1. Automated visual field analyzer with standard accessories and auxiliary equipment, including:</li> <li>2. Main unit with integrated touchscreen display: 01 unit.</li> <li>3. Software license for visual field analysis and reporting (including progression and trend analysis): 01 license.</li> <li>4. Original manufacturer’s instrument table: 01 unit.</li> <li>5. Breath shield: 01 piece.</li> <li>6. Printer: 01 unit.</li> <li>7. Keyboard: 01 unit.</li> <li>8. User manual: 01 set.</li> </ol> <p><b>III. TECHNICAL SPECIFICATIONS</b></p> <p><b>Purpose of use:</b> To examine, evaluate, and monitor the patient’s visual field.</p> <ol style="list-style-type: none"> <li>1. Required Features: <ul style="list-style-type: none"> <li>Fast threshold visual field testing to minimize test</li> </ul> </li> </ol>

			<p>time.                  Capable of analyzing progression of visual field loss.                  User interface: Touchscreen operation.</p> <p>2. Technical Criteria:                  Visual field testing parameters:                  Maximum temporal angle: <math>\geq 85^\circ</math> or <math>\geq 60^\circ</math> (monocular) / <math>\geq 160^\circ</math> (binocular).                  Stimulus duration: <math>\leq 200</math> ms.                  Test distance: from <math>\leq 25</math> cm to <math>\geq 40</math> cm.                  Background illumination: <math>\geq 30</math> ASB.                  Threshold test library:                  Must support at least 24-2 or 30-2 visual field tests.                  Fixation control:                  Blind spot monitoring.                  Video eye tracking.                  Eye fixation control.                  Measurement of distance between patient's eye and refractive lens.                  Software features:                  Single field analysis.                  Glaucoma analysis.                  Visual field index reporting.                  Visual field progression analysis according to standard guidelines.                  Connectivity:                  DICOM support.                  Network connectivity.                  Printer connectivity.                  Printer must support network printing or equivalent.                  Data storage, retrieval, and analysis:                  Internal storage capacity: <math>\geq 400</math> GB.                  Capable of exporting data via USB for storage or other purposes.</p> <p><b>IV. OTHER REQUIREMENTS</b></p> <ol style="list-style-type: none"> <li>1. Delivery, installation, and commissioning at the site of use. Warranty: <math>\geq 12</math> months from the date of acceptance.</li> <li>2. Free labor maintenance after warranty: <math>\geq 06</math> months.</li> <li>3. Preventive maintenance during the warranty period shall follow the manufacturer's guidelines.</li> <li>4. In case of emergency repair or inspection requests, the supplier must respond within <math>\leq 48</math> hours.</li> <li>5. Maintenance checklist provided as per manufacturer's recommendation.</li> <li>6. The supplier must have engineers trained by the original manufacturer (with documentation from the manufacturer).</li> <li>7. Must be an official distributor or legally authorized representative. Commitment to supply consumables and spare parts for a minimum of 08 years.</li> </ol>
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				<p>8. Annual maintenance quotation must be included, specifying both routine and emergency maintenance conditions.</p> <p>9. A fixed spare parts price list must be provided and remain unchanged for at least 5 years after the warranty period.</p> <p>10. User manuals in English and Vietnamese, and maintenance documents in English, with a commitment to full documentation upon delivery. Commitment to provide Certificate of Quality (CQ) and Certificate of Origin (CO) upon machine delivery.</p>
120	Visual acuity tester	Korea	1	<p>Proposed technical specifications</p> <p>1. Configuration: 24-inch LCD monitor: 01 unit</p> <p>2. Technical Characteristics: Displays multiple types of information including charts and functional images on the screen, with a taller vertical and horizontal resolution compared to competitors. Provides a variety of vision test charts to support effective and accurate visual acuity assessment. Supports testing with letters, numbers, Snellen E, Landolt C, and pediatric charts. Particularly, it includes L-E-A charts and Allen figures, as well as traditional drawing charts for children. Offers large visual acuity (VA) charts suitable for low vision patients. For patients with low vision, it provides VA levels of 20/400 and 20/300 across all VA chart types. Screen inversion function: Allows visual testing for patients with ocular diseases or conditions by inverting screen elements to remove glare or other interfering factors. Includes AMSLER Grid charts for convenient diagnosis of retinal pathologies. ETDRS chart support. High-resolution color vision charts – ISHIHARA: Provides twenty-five (25) color plates adjusted from vector images. Helps to determine severity and detect malingering as well as recognition of common color vision plates. Randomized chart display: Can present randomized charts at the same acuity level to prevent patient memorization and allow retesting as needed. AMSLER Grid charts facilitate convenient diagnosis of macular degeneration.</p>
121	Digital Ophthalmoscope Camera	Korea	1	<p>Digital Fundus Illuminator with Camera Display</p> <p>I. General Requirements</p> <ul style="list-style-type: none"> <li>- Manufacturing year: 2024 or later</li> <li>- Condition: 100% new</li> <li>- Certifications: ISO 13485, CE</li> </ul> <p>Configuration includes: Light source: Xenon lamp ensuring clear and bright</p>

				<p>illumination</p> <p>Optical system: Designed to reduce refraction from the cornea and iris</p> <p>Diopter adjustment ring: Supports vision correction adjustment</p> <p>Light filters: Configurable with non-red filter, green filter, and polarizing filter</p> <p>Design: Dustproof, parallel light beam path to optimize eye examination</p> <p>Included accessories: Fundus illuminator head, Medium-sized handle battery, 5x magnifying loupe, Spare bulb</p>
122	Direct ophthalmology meter	Third country	2	<p>I. General Requirements:</p> <p>Year of manufacture: 2024 or later, 100% brand new</p> <p>Power supply: 220V / 50Hz</p> <p>II. Configuration:</p> <p>Type of device: Handheld direct ophthalmoscope</p> <p>Light source: Halogen or LED, ensuring stable illumination</p> <p>Magnification: 5x to 15x, allowing detailed observation of the fundus</p> <p>Focus adjustment: Adjustable to suit individual patients</p>
123	Indirect ophthalmoscope	Third country	1	<p>I. General Requirements:</p> <p>Year of manufacture: 2024 onwards, 100% brand new</p> <p>Power supply: 220V/50Hz</p> <p>II. Configuration:</p> <p>Type: Indirect ophthalmoscope, wired or wireless</p> <p>Light source: Halogen or LED, providing clear white light</p> <p>Weight: Compact and lightweight design for ease of use</p> <p>Optical system: Utilizes a unique laser-cut lens for sharp images and high contrast</p> <p>UV and IR filters: Protect patients' eyes from ultraviolet and infrared radiation</p> <p>Light adjustment: Adjustable aperture size and light intensity suitable for all pupil sizes</p>
124	Operating microscope for ophthalmology	Third country	1	<p>Proposed Technical Specifications:</p> <p><b>I. General Requirements:</b></p> <ol style="list-style-type: none"> <li>Year of manufacture: 2024 onwards, 100% brand new</li> <li>Manufacturer must comply with one of the following international quality standards: ISO 13485</li> <li>Power supply: 220V/50Hz</li> </ol> <p>Operating environment:</p> <ol style="list-style-type: none"> <li>Maximum temperature: <math>\geq 30^{\circ}\text{C}</math></li> <li>Maximum humidity: <math>\geq 70\%</math></li> </ol> <p><b>II. Equipment Configuration:</b></p> <ol style="list-style-type: none"> <li>Ophthalmic surgical microscope with standard accessories: 01 set, including: <ol style="list-style-type: none"> <li>Main objective lens: 01 unit</li> <li>Eyepieces for main lens: 02 units</li> <li>Auxiliary lens: 01 unit</li> <li>Beam splitter: 01 unit</li> </ol> </li> </ol>

			<p>6. Halogen illumination system (with spare bulb): 01 unit</p> <p>7. Floor-mounted movable stand with wheels: 01 unit</p> <p>8. X-Y movement mechanism: 01 set</p> <p>9. Foot control panel: 01 unit</p> <p>10. HD quality camera or higher: 01 unit</p> <p>11. Camera connection cables: 01 set</p> <p>12. Standard accessories (lens covers, sterile lens covers, sterile adjustment knobs for interpupillary distance, 22mm sterile knobs, power cords, and other accessories): 01 set</p> <p>13. Dust cover: 01 unit</p> <p>14. User manual: 01 set</p> <p><b>III. Technical Specifications and Features:</b></p> <p><b>1. Microscope optics:</b></p> <p>1 Objective lens tilt adjustable from 0° to <math>\geq 180^\circ</math> with focal length <math>f \geq 170</math> mm</p> <p>2 All magnification and objective lenses coated with apochromatic color correction</p> <p>3 Objective lens coated with anti-reflective layer, focal length <math>f \geq 170</math> mm</p> <p>4 Eyepiece magnification <math>\geq 10x</math>, wide field of view type</p> <p>5 Eyepiece diopter compensation range: <math>\leq -5D</math> to <math>\geq +5D</math></p> <p>6 Magnification ratio 1:6, magnification factor from <math>\leq 0.5</math> to <math>\geq 2.0</math></p> <p>7 Focusing system: motorized continuous focus adjustment with a focusing range of 50 mm</p> <p><b>2. Illumination system:</b></p> <p>8 Cold light source using halogen lamp with spare bulbs of equivalent power, automatic switch to spare bulb if main bulb fails</p> <p>9 Optical fiber transmission from light source to surgical field</p> <p>10 Retina protection system</p> <p>11 Integrated UV filter to protect against ultraviolet and blue light</p> <p>12 Integrated blue light filter and color temperature enhancement filter</p> <p>13 Coaxial illumination technology with two light paths for red reflex optimization</p> <p>14 Adjustable illumination field diameter with continuous control</p> <p>15 Brightness controlled via stand or foot pedal</p> <p><b>3. Microscope body and stand:</b></p> <p>16 Floor-mounted stand with four wheels, each with locking brakes</p> <p>17 Microscope arm rotation around vertical axis <math>\geq 360^\circ</math></p> <p>18 Microscope body tilt adjustment range <math>\pm \geq 90^\circ</math></p> <p>19 X-Y movement system with adjustment range <math>\geq 60</math> mm x 60 mm</p>
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				<p>20 Return-to-origin function via single button press</p> <p>21 Touchscreen control panel on microscope body, size <math>\geq 5.0</math> inches</p> <p><b>4. Camera specifications:</b></p> <p>22 HD quality camera or higher</p> <p>23 Resolution <math>\geq 1920 \times 1080p</math></p> <p><b>IV. Other Requirements:</b></p> <ol style="list-style-type: none"> <li>1. Warranty period: 12 months</li> <li>2. Maintenance during warranty: As per manufacturer's regulations</li> <li>3. Supplier commitments: <ul style="list-style-type: none"> <li>- Delivery and installation at site</li> <li>- Emergency repair or inspection response time <math>\leq 24</math> hours</li> <li>- If the equipment is non-operational continuously for 01 month during warranty, the supplier must provide replacement equipment</li> <li>- Supply consumables and spare parts for minimum 5 years</li> <li>- Provide user manual (English + Vietnamese) and maintenance manual (English) upon delivery</li> </ul> </li> <li>4. Bidders must provide maintenance schedule as per manufacturer's recommendations</li> <li>5. Must have trained engineers certified by the original manufacturer</li> </ol> <p>Must be the official authorized distributor or have legal authorization from the manufacturer</p>
125	Phacoemulsification system	Third country	1	<p><b>Proposed Technical Specifications</b></p> <p><b>I. GENERAL REQUIREMENTS</b></p> <ol style="list-style-type: none"> <li>1. Year of Manufacture: 2024 or later; 100% brand new.</li> <li>2. Manufacturer must comply with ISO 13485 or equivalent standard (for the main unit).</li> <li>3. Power Supply: 220V; 50Hz, or compatible with Vietnamese power standards.</li> <li>4. Operating Environment: Maximum temperature: <math>\geq 20^{\circ}C</math> Maximum humidity: <math>\geq 70\%</math></li> </ol> <p><b>II. SYSTEM CONFIGURATION</b></p> <ol style="list-style-type: none"> <li>1. Main phacoemulsification unit: 01 system</li> <li>2. Phaco handpieces: 02 units</li> <li>3. Cassettes: 16 pieces</li> <li>4. Anterior vitrectomy cutters: 05 pieces</li> <li>5. I/A (Irrigation/Aspiration) handpiece: 01 unit</li> <li>6. Foot pedal: 01 unit</li> <li>7. Phaco tips with sleeves: 10 sets</li> <li>8. Metal phaco tip wrench: 01 piece</li> <li>9. Operation and service manuals in both English and Vietnamese: 01 set</li> </ol> <p><b>III. TECHNICAL SPECIFICATIONS</b></p> <p><i>1. Fluidics Control System</i></p> <p>Capable of actively managing and automatically compensating for fluid loss during surgery.</p>

				<p>Adjustable and displayable intraocular pressure (IOP) on the screen during surgery.                  System operation is independent of bottle height.                  Minimum of 2 modes for aspiration control.                  Capable of setting and adjusting the patient eye level position.</p> <p><b>2. Phaco Handpiece</b>                  Electrically driven handpiece.                  Vibration frequency: <math>\geq 30</math> kHz.                  Minimum longitudinal stroke amplitude of phaco tip: <math>\geq 100</math> <math>\mu</math>m.                  Minimum of 3 ultrasound energy modes: Continuous, Pulse, Burst.                  Includes energy optimization functionality.</p> <p><b>3. Foot Pedal Controller</b>                  Linear foot control to switch and adjust system functions.                  Sensitivity adjustable to match surgeon preference.                  Minimum of 8 programmable functions.</p> <p><b>4. User Interface</b>                  Touchscreen interface.                  Screen must be rotatable by at least 180°.                  Audible voice feedback confirmation available.                  On-screen visual guidance for setup and installation.                  Integrated real-time surgical procedure display on main unit screen.</p> <p><b>5. Anterior Vitrectomy Cutter</b>                  Pneumatically driven vitrectomy cutter.                  Maximum cutting rate: <math>\geq 5000</math> cuts/min.                  Gauge size: <math>\geq 23</math> Gauge.</p> <p><b>6. Bipolar Cautery Function</b>                  Bipolar coagulation system.                  Foot pedal controlled in two modes: fixed or linear.</p> <p><b>7. Vacuum Control System</b>                  Vacuum range: 0 – 700 mmHg.                  Minimum aspiration flow rate: <math>\geq 60</math> cc/min.</p> <p><b>8. Irrigation Pressure (IOP) Control</b>                  Maximum adjustable IOP: <math>\geq 110</math> mmHg.</p> <p><b>III. OTHER REQUIREMENTS</b>                  Delivery and installation at the place of use: Warranty period: <math>\geq 12</math> months from the date of acceptance                  Periodic maintenance during the warranty period: According to the manufacturer's regulations</p>
126	Synoptophore	Third country	1	<p>I. General Requirements</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Condition: 100% brand new</li> </ul> <p>Configuration includes:                  Measurement Technology: Intelligent puff control with automatic air pressure adjustment                  Corneal Thickness Compensation: Integrated pachymeter for accurate intraocular pressure calculation                  Display: 7-inch color TFT LCD touchscreen with user-friendly interface</p>

				Measurement Functions: Fully automatic alignment, focusing, and air puff with one-touch operation Integrated Printer: Fast result printing, with network connectivity support																																																																												
127	Vitreotomy equipment	Third country	1	<p><b>TECHNICAL SPECIFICATIONS</b></p> <p><b>I. GENERAL REQUIREMENTS:</b></p> <p><b>1. Quality, Origin, and Certification:</b></p> <ul style="list-style-type: none"> <li>- Brand new (100%) vitrectomy system used for vitreoretinal surgery.</li> <li>- Classified as Group 1 device per Circular 14/2020/TT-BYT, and currently in use in Vietnam.</li> <li>- Certified with ISO, CE, or FDA standards.</li> <li>- Maintenance engineers must be OEM-trained (with certificate).</li> <li>- Operation manuals provided in English.</li> <li>- Spare parts and consumables must be reliably supplied for at least 5 years after warranty period.</li> <li>- Warranty period: <math>\geq</math> 12 months, with maintenance checks at least every 6 months.</li> <li>- Device must be compatible with Vietnam's climate.</li> </ul> <p><b>2. System Configuration:</b></p> <table border="0"> <thead> <tr> <th>No.</th> <th>Description (Vietnamese)</th> <th>Unit</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td></td> <td>Vitreotomy Surgery System with</td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>Integrated Phaco and Set</td> <td>1</td> <td></td> </tr> <tr> <td></td> <td>Photocoagulation Laser</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Mobile arm with instrument tray</td> <td>Unit</td> <td>1</td> </tr> <tr> <td>3</td> <td>Main Console</td> <td>Unit</td> <td>1</td> </tr> <tr> <td>4</td> <td>Auxiliary Light Source</td> <td>Unit</td> <td>1</td> </tr> <tr> <td>5</td> <td>Footswitch</td> <td>Unit</td> <td>1</td> </tr> <tr> <td>6</td> <td>Remote Control</td> <td>Unit</td> <td>1</td> </tr> <tr> <td>7</td> <td>532 nm Laser Photocoagulator</td> <td>Unit</td> <td>1</td> </tr> <tr> <td>8</td> <td>User Manual</td> <td>Unit</td> <td>1</td> </tr> <tr> <td>9</td> <td>Equipment Cover</td> <td>Unit</td> <td>1</td> </tr> <tr> <td>10</td> <td>Posterior Phaco Handpiece</td> <td>Unit</td> <td>1</td> </tr> <tr> <td>11</td> <td>Anterior Phaco Handpiece</td> <td>Unit</td> <td>1</td> </tr> <tr> <td>12</td> <td>Straight Laser Probe Set</td> <td>Unit</td> <td>2</td> </tr> <tr> <td>13</td> <td>Flexible Laser Probe Set</td> <td>Unit</td> <td>2</td> </tr> <tr> <td>14</td> <td>25G Thermal Cautery Tip</td> <td>Unit</td> <td>2</td> </tr> <tr> <td>15</td> <td>Electrocautery Cable Set</td> <td>Unit</td> <td>2</td> </tr> <tr> <td>16</td> <td>Vitreotomy Cassette Set (10,000 cuts/min)</td> <td>Unit</td> <td>6</td> </tr> </tbody> </table> <p><b>II. REQUIRED TECHNICAL FEATURES</b></p> <p><b>1. Fluidics Control System:</b></p> <ul style="list-style-type: none"> <li>- Cassette system supports 3 types: <ul style="list-style-type: none"> <li>o Anterior segment Phaco cassette</li> <li>o Posterior vitrectomy cassette</li> <li>o Combined anterior Phaco &amp; posterior vitrectomy cassette</li> </ul> </li> <li>- <b>Infusion Pressure:</b></li> </ul>	No.	Description (Vietnamese)	Unit	Quantity		Vitreotomy Surgery System with			1	Integrated Phaco and Set	1			Photocoagulation Laser			2	Mobile arm with instrument tray	Unit	1	3	Main Console	Unit	1	4	Auxiliary Light Source	Unit	1	5	Footswitch	Unit	1	6	Remote Control	Unit	1	7	532 nm Laser Photocoagulator	Unit	1	8	User Manual	Unit	1	9	Equipment Cover	Unit	1	10	Posterior Phaco Handpiece	Unit	1	11	Anterior Phaco Handpiece	Unit	1	12	Straight Laser Probe Set	Unit	2	13	Flexible Laser Probe Set	Unit	2	14	25G Thermal Cautery Tip	Unit	2	15	Electrocautery Cable Set	Unit	2	16	Vitreotomy Cassette Set (10,000 cuts/min)	Unit	6
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				<ul style="list-style-type: none"> <li>○ Range: 0–120 mmHg</li> <li>○ Accuracy: <math>\pm 2\%</math> at setpoint + 5 mmHg</li> <li>○ Flow rate: 0–20 cc/min (posterior, 20G); 0–60 cc/min (anterior)</li> <li>○ Response time: <math>\leq 500</math> ms</li> <li>- <b>Active Intraocular Pressure (IOP) Control:</b> <ul style="list-style-type: none"> <li>○ Range: 0–120 mmHg</li> <li>○ Repeatability: <math>\pm 2</math> mmHg</li> <li>○ Flow rate: 0–20 cc/min</li> <li>○ Response time: <math>&lt; 500</math> ms (20G)</li> <li>○ Transition time: <math>&lt; 2000</math> ms</li> </ul> </li> <li>- <b>Aspiration/Vacuum:</b> <ul style="list-style-type: none"> <li>○ Standard vacuum range: 0–650 mmHg</li> <li>○ Minimum vacuum range: 0–600 mmHg</li> <li>○ Accuracy: <math>\pm 2\%</math> at setpoint + 5 mmHg</li> <li>○ Flow: 0–20 cc/min (posterior), 0–60 cc/min (anterior)</li> <li>○ Pressure ramp up/down times: max 300 ms (10–90%, 90–10%)</li> </ul> </li> <li>- <b>Vacuum Pressure Control Modes:</b> <ul style="list-style-type: none"> <li>○ Vitrectomy Cut Mode: 0–650 mmHg</li> <li>○ Vitreous Phaco Mode: 0–650 mmHg</li> <li>○ Pressurization: 0–650 mmHg</li> <li>○ Oil removal: 0–650 mmHg</li> <li>○ Infusion/aspiration: 0–650 mmHg</li> <li>○ Phaco Mode: 0–650 mmHg</li> </ul> </li> <li>- At least 2 reflux modes: continuous and pressure-proportional (0–120 mmHg)</li> <li>- <b>Viscous Fluid Control:</b> <ul style="list-style-type: none"> <li>○ Pump pressure: 0–80 psi</li> <li>○ Vacuum: 0–650 mmHg</li> </ul> </li> <li>- <b>Fluid-Gas Exchange Valve:</b> <ul style="list-style-type: none"> <li>○ Response time: <math>&lt; 0.5</math> seconds</li> <li>○ Liquid pressure: 0–120 mmHg</li> <li>○ Liquid flow rate: 20 cc/min</li> <li>○ Air pressure (low pressure supply): 0–120 mmHg</li> <li>○ Air flow rate: 1.2 L/min (standard)</li> </ul> </li> <li>2. <b>Vitrectomy Cutters:</b> <ul style="list-style-type: none"> <li>- Compatible with at least 5 cutter types: <ul style="list-style-type: none"> <li>○ 2500 cpm: 100–2500 cuts/min</li> <li>○ 5000 cpm: 100–5000 cuts/min</li> <li>○ 7500 cpm: 100–7500 cuts/min</li> <li>○ 10000 cpm: 100–10000 cuts/min</li> <li>○ 20000 cpm: 200–20000 cuts/min</li> </ul> </li> </ul> </li> <li>3. <b>Vitrectomy Cutting Modes:</b> <ul style="list-style-type: none"> <li>- Pneumatic-powered vitrectomy cutting.</li> <li>- Bimanual mode (simultaneous cutter and forceps).</li> <li>- Anterior vitrectomy sub-modes: <ul style="list-style-type: none"> <li>○ 3D</li> <li>○ Momentary</li> <li>○ PropVac</li> <li>○ VitWet</li> </ul> </li> </ul> </li> </ul>
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				<ul style="list-style-type: none"> <li>○ Wet / Dry modes</li> <li>- Cutting speed: 0 to cutter max speed</li> <li><b>4. Endoillumination System:</b> <ul style="list-style-type: none"> <li>- At least 2 Xenon light sources.</li> <li>- Radio frequency automatic probe recognition.</li> <li>- At least 3 colors indicating lamp life stages.</li> <li>- Output intensity by probe size: <ul style="list-style-type: none"> <li>○ 20G fiber: <math>16 \pm 6</math> lumens (0–400 hrs)</li> <li>○ 23G fiber: <math>23 \pm 13</math> lumens (0–400 hrs)</li> <li>○ 25G fiber: <math>23 \pm 13</math> lumens (0–400 hrs)</li> </ul> </li> <li>- Optional auxiliary light available</li> </ul> </li> <li><b>5. Laser System:</b> <ul style="list-style-type: none"> <li>- Integrated photocoagulation laser:</li> <li>- Treatment beam: <ul style="list-style-type: none"> <li>○ Class 4</li> <li>○ Power: 30 mW – 2 W</li> <li>○ Wavelength: 532 nm</li> </ul> </li> <li>- Aiming beam: <ul style="list-style-type: none"> <li>○ Class 2</li> <li>○ Power: &lt;1 mW</li> <li>○ Wavelength: <math>635 \pm 5</math> nm</li> </ul> </li> </ul> </li> <li><b>6. Torsional Phaco Handpiece Compatibility:</b> <ul style="list-style-type: none"> <li>- 3 Phaco modes: Custom pulse, Pulse, Continuous <ul style="list-style-type: none"> <li>- Tip amplitude (100%): <math>3.5 \pm 0.5</math> mils</li> <li>- Tip velocity: 12.1 m/s</li> <li>- Oscillation frequency: <b>30 – 46.5 kHz</b></li> <li>- Pulse rate range: <b>0 – 100 pulses per second</b></li> <li>- Customizable pulse duration: <b>up to 2.5 seconds (user adjustable)</b></li> <li>- Customizable pulse length: <b>5 ms to 500 ms</b></li> </ul> </li> </ul> </li> <li><b>7. Vitreous Chamber Phaco Mode:</b> <ul style="list-style-type: none"> <li>- Modes: Fixed, Linear, Momentary</li> <li>- Tip amplitude: <math>3.1 \pm 0.5</math> mils (at 100% power)</li> <li>- Frequency: <math>43.5 \pm 3.0</math> kHz</li> <li>- Pulse rate: 0–100 pps</li> </ul> </li> <li><b>8. Cautery Function:</b> <ul style="list-style-type: none"> <li>- Frequency: <math>1.5 \text{ MHz} \pm 10\%</math></li> <li>- Waveform: Sinusoidal</li> <li>- Max power: <math>10 \text{ W} \pm 10\%</math> (at 100% setpoint, <math>75 \text{ Ohm} \pm 10\%</math>)</li> <li>- Output voltage: Max 163 Vpp (no load)</li> <li>- Power range: 0–100%</li> </ul> </li> <li><b>9. Control Interface:</b> <ul style="list-style-type: none"> <li>- Minimum 17-inch touchscreen display with an advanced user interface and on-screen video instructions for users.</li> </ul> </li> <li><b>10. Remote Control:</b> <ul style="list-style-type: none"> <li>- 4 channels</li> <li>- Infrared transmission</li> </ul> </li> <li><b>11. Additional Features:</b> <ul style="list-style-type: none"> <li>- Barcode scanner to identify consumables on screen</li> <li>- Software updatable</li> </ul> </li> </ul>
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				<ul style="list-style-type: none"> <li>- Supports external image recording/display system</li> <li>- Automatic gas injection:                             <ul style="list-style-type: none"> <li>o Max pressure: 10 psig</li> </ul> </li> <li>Minimum gas concentration purity 97.1%</li> <li>- Integrated 532 nm laser photocoagulation system with advanced technology, controlled from the touchscreen of the vitrectomy surgical machine.</li> <li>12. Has an audio notification function.</li> </ul>
128	Automatic Keratometer	Korea	1	<p>Proposed Technical Specifications:</p> <p>I. General Requirements:</p> <ol style="list-style-type: none"> <li>1. Manufacturing year: From 2025 onwards, 100% brand new.</li> <li>2. Manufacturer must comply with international quality standards: ISO 13485 or CE or FDA or equivalent.</li> <li>3. Power supply: 220V/50Hz.</li> <li>4. Operating environment:                             <ul style="list-style-type: none"> <li>+ Maximum temperature: <math>\geq 35^{\circ}\text{C}</math>.</li> <li>+ Maximum humidity: <math>\geq 75\%</math>.</li> </ul> </li> </ol> <p>II. Supply Configuration:</p> <p>Main unit with standard accessories, including: 01 unit/set</p> <ul style="list-style-type: none"> <li>- Test eye: 01 piece</li> <li>- Power cord: 01 piece</li> <li>- Printing paper: 03 rolls</li> <li>- Fuse: 02 pieces</li> <li>- Chin rest paper: 01 pack</li> <li>- Chin rest pins: 02 pieces</li> <li>- Dust cover: 01 piece</li> <li>- User manual (English + Vietnamese): 01 set</li> <li>- Motorized height-adjustable stand: 01 set</li> </ul> <p>III. Detailed Features and Technical Specifications:</p> <ul style="list-style-type: none"> <li>- Refractive measurement range:                             <ul style="list-style-type: none"> <li>+ Corneal vertex distance: 0, 10, 12, 13.5, 15 mm</li> <li>+ Sphere (SPH): <math>\leq -25.00</math> to <math>\geq +22.00</math> diopters (steps of 0.12 or 0.25 d)</li> <li>+ Cylinder (CYL): 0.00 to <math>\pm 10.00</math> diopters</li> <li>+ Axis: 0 to <math>\geq 180</math> degrees</li> <li>+ Minimum pupil diameter: <math>\leq 2.0</math> mm</li> </ul> </li> <li>- Corneal curvature measurement range:                             <ul style="list-style-type: none"> <li>+ Range: <math>\leq 5.00</math> to <math>\geq 10.00</math> mm</li> <li>+ Corneal refractive power: <math>\leq 33.00</math> to <math>\geq 67.00</math> diopters</li> <li>+ Corneal astigmatism: 0.00 to -15.00 diopters</li> <li>+ Axis: 1 to <math>\geq 180</math> degrees</li> </ul> </li> <li>- Corneal and pupil diameter measurement:                             <ul style="list-style-type: none"> <li>+ Range: <math>\leq 2.0</math> to <math>\geq 12.0</math> mm</li> </ul> </li> <li>- Display:                             <ul style="list-style-type: none"> <li>+ Color liquid crystal display (LCD), tilt and rotate <math>270^{\circ}</math> with screen inversion function</li> <li>+ Size: <math>\geq 8</math> inches</li> </ul> </li> </ul> <p>Thermal printer: Integrated and synchronized with main unit</p>

129	Electric surgical unit	Korea	1	<p><b>General Requirements</b></p> <ul style="list-style-type: none"> <li>- <b>Year of Manufacture:</b> 2024 or later; brand new, 100%</li> <li>- <b>Power Supply:</b> 198 – 260V (VAC, 50/60Hz)</li> <li>- <b>Operating Environment:</b> Suitable for the climate conditions of Vietnam.</li> </ul> <p><b>Supplied Configuration</b></p> <ul style="list-style-type: none"> <li>- Footswitch: 01 unit</li> <li>- Bipolar forceps: 01 unit</li> <li>- Bipolar forceps cable: 01 unit</li> <li>- Neutral electrode pads: 10 units</li> <li>- Neutral electrode cable: 01 unit</li> <li>- Monopolar handpiece: 01 unit</li> <li>- Dedicated trolley: 01 unit</li> </ul> <p>User manual: 01 set</p>																								
130	Javal keratometer	Korea	1	<p><b>Proposed Technical Specifications:</b></p> <p><b>1. Device Configuration</b></p> <ul style="list-style-type: none"> <li>- Main unit</li> <li>- Spare bulb</li> <li>- Dust cover</li> <li>- User manual</li> </ul> <p><b>2. Technical Specifications</b></p> <table border="0"> <thead> <tr> <th style="text-align: center;">Item</th> <th style="text-align: center;">Specification</th> </tr> </thead> <tbody> <tr> <td>Corneal curvature range</td> <td>5.5 – 11.0 mm</td> </tr> <tr> <td>Curvature increment</td> <td>0.02 mm</td> </tr> <tr> <td>Corneal power range</td> <td>30.0 – 60.0 D</td> </tr> <tr> <td>Power increment</td> <td>0.25 D</td> </tr> <tr> <td>Astigmatism axis range</td> <td>0 – 180°</td> </tr> <tr> <td>Axis increment</td> <td>1°</td> </tr> <tr> <td>Eyepiece diopter adjustment</td> <td>0 ~ ±5 D</td> </tr> <tr> <td>Light source</td> <td>12V, 50W halogen bulb</td> </tr> <tr> <td>Power supply</td> <td>220V – 240V, 50Hz</td> </tr> <tr> <td>Dimensions (W x D x H)</td> <td>450 x 300 x 450 mm</td> </tr> <tr> <td>Weight</td> <td>16 kg</td> </tr> </tbody> </table>	Item	Specification	Corneal curvature range	5.5 – 11.0 mm	Curvature increment	0.02 mm	Corneal power range	30.0 – 60.0 D	Power increment	0.25 D	Astigmatism axis range	0 – 180°	Axis increment	1°	Eyepiece diopter adjustment	0 ~ ±5 D	Light source	12V, 50W halogen bulb	Power supply	220V – 240V, 50Hz	Dimensions (W x D x H)	450 x 300 x 450 mm	Weight	16 kg
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131	Non-contact tonometer	Korea	1	<p><b>I. General Requirements</b></p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Condition: 100% brand new</li> <li>- Compliance: ISO 13485, CE certified</li> </ul> <p><b>Configuration Includes:</b></p> <p><b>Measurement Technology:</b> Intelligent puff control technology with automatic air pressure adjustment</p> <p><b>Corneal Thickness Compensation:</b> Integrated pachymeter for accurate intraocular pressure (IOP) correction based on corneal thickness</p> <p><b>Display Screen:</b> Color touchscreen with user-friendly interface</p> <p><b>Measurement Function:</b> Fully automatic alignment, focusing, and air puff with one-touch operation</p> <p><b>Built-in Printer:</b> Quick result printing, with network connectivity support</p>																								
132	Sirus telescope 4mm	Korea	1	<p><b>Main Body:</b> Houses the optical system and light</p>																								

				source. <b>Light Source (LED/Xenon):</b> Provides bright and clear illumination. <b>Optical Lens:</b> Offers magnification from 10x to 40x for detailed observation. <b>Viewing Angle:</b> Typically ranges from 0° to 90°, depending on the type of endoscope. <b>Display Screen:</b> May be an integrated LCD screen or connectable to a computer. <b>Adjustment System:</b> Allows for brightness, magnification, and viewing angle control.
133	Ventilator for children	Korea	1	<p><b>GENERAL REQUIREMENTS</b></p> <ul style="list-style-type: none"> <li>+ The device must be brand new, manufactured in 2024 or later.</li> </ul> <p><b>Supply Configuration</b></p> <ul style="list-style-type: none"> <li>- Main unit with display screen: 01 unit</li> <li>- Included accessories: <ul style="list-style-type: none"> <li>+ Breathing gas humidifier/heater: 01 set</li> <li>+ Adult and pediatric humidifier bottle: 01 unit</li> <li>+ Neonatal humidifier bottle: 01 unit</li> <li>+ Humidifier/heater stand: 01 unit</li> <li>+ Reusable silicone breathing circuit for adults: 01 set</li> <li>+ Reusable silicone breathing circuit for pediatrics: 01 set</li> <li>+ Reusable silicone breathing circuit for neonates: 01 set</li> <li>+ Adult test lung for device checking (locally sourced): 01 unit</li> <li>+ Pediatric test lung for device checking (locally sourced): 01 unit</li> <li>+ Neonatal test lung for device checking (locally sourced): 01 unit</li> <li>+ Adult breathing mask (locally sourced): 01 unit</li> <li>+ Pediatric breathing mask (locally sourced): 01 unit</li> <li>+ Neonatal breathing mask (locally sourced): 01 unit</li> <li>+ Reusable expiratory filter with water trap for adults: 01 set</li> <li>+ Single-use expiratory filter with water trap for neonates: 01 set</li> <li>+ Reusable inspiratory filter: 01 set</li> <li>+ Oxygen and compressed air tubing set with connectors: 01 set</li> <li>+ Breathing tube support arm: 01 unit</li> <li>+ Compatible backup battery: 01 unit</li> <li>+ Compatible ventilator trolley: 01 unit</li> <li>+ AC power cord: 01 unit</li> <li>+ Integrated air compressor: 01 unit</li> <li>+ User manual in English and Vietnamese: 01 set</li> <li>+ Full features of a high-end ventilator.</li> </ul> </li> </ul> <p>Ventilator supports pediatric and neonatal modes; includes comprehensive ventilation modes such as HFO, SIPPV/AC, IPPV/CMV, SIMV, PSV,</p>

				SIMV+PSV, CPAP, nCPAP, DuoPAP/BiPAP, nIPPV, nSIMV, HFNC, HFO, nHFO. Supports nebulization through the ventilator. Equipped with leak compensation functionality.
134	Patient Monitor	Korea	1	<p>I. General Requirements: Brand new, 100% new.</p> <ul style="list-style-type: none"> <li>- Manufacturing year: 2024 or later, 100% new.</li> <li>- Power supply: 220 V or 380 V.</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied Configuration:</p> <ul style="list-style-type: none"> <li>- Main unit (monitor)</li> <li>- Multi-parameter measurement module with standard accessories</li> <li>- ECG cable and measurement kit with electrodes — 01 set</li> <li>- SpO2 cable and measurement accessory kit — 01 set</li> <li>- NIBP (Non-invasive blood pressure) cuff and cable measurement kit — 01 set</li> <li>- Temperature measurement cable and accessory kit — 01 set</li> <li>- IBP (Invasive blood pressure) measurement cable and accessory kit — 02 sets</li> <li>- CO2 concentration measurement module with standard accessories — 01 set</li> <li>- CO2 measurement cable and accessory kit — 01 set</li> <li>- PR (Pulse rate) measurement cable and accessory kit — 01 set</li> </ul> <p>* Includes sensors in various sizes suitable for pediatric and neonatal patients, reusable type.</p>
135	Patient bed	Korea	30	<p>I. General Requirements: Brand new 100%.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onwards.</li> <li>- Operating environment: Suitable for the climate conditions of Vietnam.</li> </ul> <p>II. Supplied Configuration:</p> <p>*Bed frame made of durable, easy-to-clean, rust-resistant material, equipped with side rails, adjustable head and foot sections, and a small attached table.</p> <p>*Mattress cover fitting the bed frame, breathable, easy to clean, waterproof, quick-drying, and odor-resistant.</p> <p>*Sturdy wheels ensuring smooth and easy rolling.</p> <p>*Infusion pole holder included.</p>
136	Otoscope	Third country	3	<p>Components include:</p> <ol style="list-style-type: none"> <li>1. Otoscope: Equipped with LED/Halogen light, magnification <math>\geq 3x</math>, battery or rechargeable powered, quantity: 01 unit.</li> <li>2. Ear Specula: Sterile medical plastic, sizes 2.5 mm, 3 mm, 4 mm, 5 mm, quantity: 10 pieces.</li> <li>3. Hook-shaped earwax removal tool: Stainless steel, length 12–15 cm, quantity: 01 piece.</li> </ol>

				<p>4. Spoon-shaped earwax removal tool: Stainless steel, length 12–15 cm, quantity: 01 piece.</p> <p>5. Loop-shaped earwax removal tool: Stainless steel, length 12–15 cm, quantity: 01 piece.</p> <p>6. Hartmann forceps (ear foreign body forceps): Stainless steel, length 14 cm, curved/straight tip, quantity: 01 piece.</p> <p>7. Ear syringe or bulb syringe: Medical plastic or rubber, capacity 60–100 ml, quantity: 01 piece.</p> <p>Forehead LED headlight for ear examination: Adjustable angle LED light, power 1–3 W, quantity: 01 unit.</p>
137	Thermometer	Third Country	3	<p>* Temperature measurement range # 32 degrees C to 42.5 degrees C.</p> <p>* High accuracy ((± 0.2 degrees C).</p> <p>* Fast measurement time (under 60 seconds).</p> <p>* Clear display, easy to see.</p> <p>* Sound warning: beep when measurement is complete.</p> <p>* Ability to store measurement results.</p> <p>* Soft probe, compact design, safe to use.</p>
138	Diagnostic endoscopy system (for children)	Third Country	1	<p>I. General requirements</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later;</li> <li>- Quality: 100% new</li> <li>- Meets ISO 13485, CE standards;</li> <li>- Power supply: 100V – 240 VAC, 50/60HzII.</li> </ul> <p>Configuration includes: Including the following components:</p> <ol style="list-style-type: none"> <li>1. Pediatric flexible endoscope: Outer diameter 5.0–6.0 mm, length 100–110 cm, channel 2.0–2.4 mm, 4-way bend, quantity: 1-2 pieces.</li> <li>2. Endoscopy light source: LED or Xenon ≥ 100W, with energy saving and cooling mode, quantity: 01 set.</li> <li>3. Image processor (video processor): Supports CCD/CMOS, compatible with endoscopy system, has HDMI/DVI port, quantity: 01 set.</li> <li>4. Medical monitor, LCD ≥ 21 inches, Full HD resolution or higher, quantity: 01 piece.</li> <li>5. Water &amp; air pump: Used to wash the endoscope and inflate the stomach, quantity: 01 set.</li> <li>6. Endoscopic suction machine: Suction of digestive fluid, pus or blood, quantity: 01 set.</li> <li>7. Suction - washing - biopsy accessory set: Suction tube, biopsy forceps, channel cleaning brush, control valve, tube, quantity: 03 - 5 sets.</li> <li>8. Sterile soft suction tube: Disposable type, soft, suitable for children, quantity: 10 - 20 pieces.</li> <li>9. Suction valve - washing valve - air valve: Mounted on the endoscope handle, removable for sterilization, quantity: 03 sets.</li> <li>10. Endoscope cleaning brush: Soft tip type, long enough to clean the entire tube, quantity: 10 pieces.</li> <li>11. Sterilization solution: Glutaraldehyde or Peracetic acid, medical standard, quantity: 2-4 5L cans.</li> </ol>

				<p>12. Automatic endoscope washing and sterilizing machine (optional): Automatically cleans and sterilizes endoscopes, quantity: 01 set.</p> <p>13. Endoscope drying and storage cabinet: Stores and dries after sterilization, with HEPA filter, quantity: 01 set.</p>
139	Ambu bag for children	Korea	1	<p>Balloon made of medical silicone or PVC, good elasticity, quick shape recovery, can be sterilized or disposable. Balloon size: Neonatal: 150–250 ml, Infant: 300–500 ml, Pediatric: 500–750 ml. Non-rebreathing valve ensures one-way air flow, no CO<sub>2</sub> respiration, removable and sterilizable. Silicone or PVC mask, soft, tight, fits the face. Sizes 0, 1, 2, 3 (depending on age group). Oxygen connector connects oxygen line Ø 6–8 mm, with reserve bag ≥ 600 ml. PEEP valve (optional or included) adjusts positive end-expiratory pressure (5–20 cmH<sub>2</sub>O). Pressure sensor (optional) displays airway pressure during balloon compression. Reservoir bag with minimum capacity of 600 ml, helps maintain high FiO<sub>2</sub> &gt; 90%, should have anti-reflux valve. Latex-free, non-toxic, biocompatible material certified by ISO 13485, CE/FDA</p>
140	Electric suction pump	Korea	2	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supply configuration:</p> <ul style="list-style-type: none"> <li>*Type: Electric suction machine (can be equipped with rechargeable battery or used directly from the grid)</li> <li>* Maximum suction pressure: 0.075 - 0.08 MPa (equivalent to 560-600 mmHg)</li> <li>* Adjustable suction pressure: Adjustable from 0 to 600 mmHg</li> <li>* Suction flow: ≥ 15 - 30 L/min (suitable for infants - young children).</li> <li>* Noise level: ≤ 60 dB (quiet operation, does not scare children).</li> <li>* Liquid container: 500 - 1000 ml, with tight lid, spill-proof, heat-resistant, sterilizable</li> <li>* Antibacterial filter: Yes (filters output air, limits cross-contamination).</li> <li>* Soft, non-toxic silicone material, suitable for children.</li> <li>* Power source: 220V/50Hz or built-in rechargeable battery (in mobile device).</li> <li>* Overload protection mode: Automatic shut-off system when overheating or full.</li> <li>* Machine weight: Light: 3 - 7 kg.</li> <li>* Accessories included: - Suction hose, Straws of various sizes (depending on age), Bacterial filter, Spare container (if available)</li> </ul>
141	Electric syringe pump	Korea	2	<p>I. General requirements: 100% new.</p>

				<ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supply configuration:</p> <ul style="list-style-type: none"> <li>* Infusion rate: normal infusion, rapid infusion (Bolus), tablet retention infusion, adjustable odd number range from 0.1 ml/h to 1500 ml/h (depending on model and syringe size)</li> <li>* High accuracy</li> <li>* Compatible with syringe sizes of 5ml, 10ml, 20ml, 50/60ml and compatible with many types of standard syringes of different manufacturers.</li> <li>* Many alarm functions, safety warnings: injection line blockage, low fluid, low pressure, battery alarm. Audio and visual warnings (lights or symbols)</li> <li>* Clear, easy-to-read display, fully displaying pump speed, pumped volume, remaining time, pump status.</li> <li>* Power source: using power source, backup battery.</li> <li>* Can be mounted on the infusion stand or fixed on the infusion bar</li> <li>* Safe materials, easy to clean.</li> </ul>
142	Endotracheal instrument set	Korea	1	<p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <p>Laryngoscope handle made of stainless alloy, fits comfortably in the hand, uses AA/AAA batteries. When the lamp blade is attached to the handle, the light automatically lights up and can be sterilized or replaced. The battery can be easily removed. The light source is a cold light LED or fiber optic, brightness <math>\geq</math> 11000 Lux, life span <math>\geq</math> 10,000 hours. The light is attached to the handle and can be replaced when damaged. Curved lamp blade (Macintosh) size 1,2,3,4 (depending on age group), straight lamp blade (Miller) size 0,1,2 for infants and young children with soft epiglottis. The lamp blade is made of stainless steel, standard curved tip, no edges. The blade and body are detachable, connected together by a joint that meets ISO 7376 standards. Can be used 500-1000 times. All products must meet ISO or FDA/CE standards, without deep grooves for easy cleaning. There is a box to store the blade, there are tools to replace the lamp, battery, and joint when damaged. Warranty period &gt;2 years. The supplier must have technical support, instructions for use and maintenance.</p>
143	Infant incubator	Korea	1	<p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's</li> </ul>

				<p>climate.</p> <p>II. Configuration provided:          Closed, with windows for nurses to operate and take care of children. There is a compartment below to store equipment, the entire incubator is mounted on a trolley, the wheels have a semi-brake system. There is a cabinet to store children's belongings below, there is a hanging tree for IV bags, there is a bed with adjustable head height, integrated jaundice light, there is a power outlet, LED screen displays the temperature, humidity settings and actual temperature of the child. Temperature and humidity control unit. There is a temperature sensor attached to the child's skin continuously, capable of automatically adjusting the incubator temperature according to changes in the child's body temperature, there is a warning system when the temperature and humidity are not suitable. There are full settings modes Air Mode/ Manual Mode, Skin Mode/ Servo Control Mode</p>
144	Infant incubator Portable (transportation)	Korea	1	<p>I. General requirements:          100% new.          - Year of manufacture: 2024 or later, 100% new          - Power source: 220V or 380V          - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supply configuration:          Closed, with windows for nurses to operate and care for children. Compact, shock-resistant, with integrated battery with a minimum usage time of 4 hours or more. Can use power source such as DC power of ambulance, the cage can be mounted on a stretcher, has a specialized cart for incubators. Has an integrated ventilator for premature and full-term newborns. The ventilator (full of invasive modes such as PC/AC, non-invasive such as NCPAP, NIV) is attached to the incubator frame, not a separate machine, has a source of compressed air (air) and oxygen in the incubator. Can adjust temperature and humidity, has heat sensor and alarm when temperature and humidity are not suitable, can automatically adjust temperature according to child's body temperature.</p>
145	Infusion pump	Korea	2	<p>I. General requirements:          100% new.          - Year of manufacture: 2024 or later, 100% new          - Power source: 220V or 380V          - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supply configuration:          * Infusion speed range: suitable for both rapid intravenous infusion and slow drip infusion for newborns, adjustable odd numbers from 0.1 - 1200 ml/h (depending on the model)          * Set the total infusion volume for each treatment case.          * Ensure accurate infusion speed.</p>

				<ul style="list-style-type: none"> <li>* Operating mode: continuous infusion, bolus (fast infusion of immediate dose), low-speed maintenance (~ 1 ml/h)</li> <li>* Warning system: line blockage, out of fluid, out of battery, ....</li> <li>* Clear, easy-to-read screen, fully displays infusion rate, infused volume, remaining time, infusion status.</li> <li>* Line compatibility: can be used with standard medical lines.</li> <li>* Can be mounted on an infusion stand or fixed on an infusion bar.</li> <li>* Audio and visual warnings (lights or symbols).</li> <li>* Power source: uses power source, backup battery.</li> </ul>
146	Minor surgical instrument set	Korea	1	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>* Material: stainless steel.</li> <li>* Have the following tools:</li> </ul> <ol style="list-style-type: none"> <li>1. Curved scissors (Metzenbaum or Mayo): size: 14–18 cm, quantity: 01.</li> <li>2. Suture scissors: size: 11–14 cm, quantity: 01.</li> <li>3. Kelly forceps or Kocher forceps: size: 14–18 cm, quantity: 02.</li> <li>4. Halstead-Mosquito forceps: size: 12–14 cm, quantity: 02.</li> <li>5. Toothed forceps: size: 12–15 cm, quantity: 01.</li> <li>6. Plain forceps: size: 12–15 cm, quantity: 01.</li> <li>7. Scalpel + knife handle No. 3 or 4: used for blades No. 10, 11, 15, quantity: 01.</li> <li>8. Farabeuf retractor or dissecting retractor: 12–15 cm, quantity: 01 - 02.</li> <li>9. Mayo-Hegar needle holder: 12–16 cm, quantity: 01.</li> </ol>
147	Portable pulse oxy meter	Korea	1	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Configuration provided:</p> <ul style="list-style-type: none"> <li>* Sharp display screen, easy to see at night, displays: SpO2 index, heart rate, SpO2 waveform</li> <li>* High accuracy.</li> <li>* Reusable sensor can be used for both children and infants</li> <li>* Has safety warnings, oxygen saturation status, alarms, sounds, power status.</li> <li>* Uses power source and backup battery.</li> </ul>
148	Sphygmomanometer for adult	Korea	2	<ul style="list-style-type: none"> <li>* High accuracy</li> <li>* Complete main parts: pressure gauge, rubber pump with air release valve, cuff (arm band) with air bag suitable for measuring on the upper arm</li> </ul>

149	Syringe annul apparatus	Korea	1	<p>* High accuracy</p> <p>* Complete main parts: pressure gauge, rubber pump with air release valve, cuff (arm wrap) with air bag suitable for measuring on the upper arm</p> <p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Capable of destroying common types of needles, from small insulin needles to large needles</li> <li>- Fast destruction time</li> <li>- Ensure safety and hygiene</li> <li>- Simple operation, with clear instructions</li> </ul>
150	Tracheotomy instrument set	Korea	1	<p>I. General requirements:</p> <p>100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <p>* Material: stainless steel.</p> <p>* Full set of the following tools:</p> <ol style="list-style-type: none"> <li>1. Scalpel + knife handle No. 4: used for blade No. 11 or 15, Quantity: 01.</li> <li>2. Curved surgical scissors (Metzenbaum: size: 14–18 cm, quantity: 01.</li> <li>3. Curved / straight Kelly forceps: size: 14–16 cm, quantity: 02.</li> <li>4. Halstead-Mosquito forceps: size: 12–14 cm, quantity: 02.</li> <li>5. Toothless dissection forceps: size: 12–15 cm, quantity: 01.</li> <li>6. Toothed dissection forceps: size: 12–15 cm, quantity: 01.</li> <li>7. Tracheal hook forceps: Single or double type, quantity: 01 - 02.</li> <li>8. Tracheal dilator: standard size, quantity: 01.</li> <li>9. Scissors tracheal cartilage cutting: Special curved tip, quantity: 01.</li> <li>10. Mayo-Hegar needle forceps, size: 14–16 cm, quantity: 01.</li> </ol>
151	Ultrasonic nebulizer	Korea	2	<p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supply configuration:</p> <p>Mist particle size (MMAD) From 3 - 5 micrometers (µm) to reach the lower airway</p> <p>Air flow rate (flow rate) 6 - 10 L/min (depending on the type of machine and drug)</p>

				<p>Drug spray rate (output rate) Minimum 0.2 - 0.4 mL/min</p> <p>Operating sound Below 60 dB (for machines for children)</p> <p>Machine type Ultrasonic, pneumatic, or mesh nebulizer (more modern)</p> <p>Easy to clean and sterilize No hidden corners, resistant to sterilization or disinfection</p> <p>Safety certificate Should have CE (Europe), FDA (USA), or ISO 13485 standards</p>
152	Ventilator for children	Korea	1	<p>GENERAL REQUIREMENTS</p> <p>+ 100% new equipment, manufactured in 2024 or later, Supplied configuration</p> <p>- Main machine with display screen: 01 machine</p> <p>- Accessories included:</p> <p>+ Air warmer: 01 set</p> <p>+ Humidifier for adults and children: 01 unit</p> <p>+ Humidifier for infants: 01 unit</p> <p>+ Warmer/humidifier holder: 01 unit</p> <p>+ Silicone reusable breathing circuit for adults: 01 set</p> <p>+ Silicone reusable breathing circuit for children: 01 set</p> <p>+ Silicone reusable breathing circuit for infants: 01 set</p> <p>+ Adult artificial lung for machine testing (purchased domestically): 01 unit + Child artificial lung for machine testing (purchased domestically): 01 unit</p> <p>+ Infant artificial lung for machine testing (purchased domestically): 01 unit</p> <p>+ Mask Adult breathing mask (purchased domestically): 01 piece</p> <p>+ Child breathing mask (purchased domestically): 01 piece</p> <p>+ Newborn breathing mask (purchased domestically): 01 piece</p> <p>+ Reusable exhalation filter (with water trap) for adults: 01 set</p> <p>+ Disposable exhalation filter (with water trap) for newborns: 01 set</p> <p>+ Reusable inhalation filter: 01 set</p> <p>+ O2, compressed air and connector set: 01 set</p> <p>+ Breathing tube support: 01 piece</p> <p>+ Synchronous backup battery: 01 piece</p> <p>+ Synchronous machine trolley: 01 piece</p> <p>+ AC power cord: 01 piece</p> <p>+ Synchronous air compressor: 01 piece</p> <p>+ User manual in English and Vietnamese: 01 set</p> <p>+ Full features, breathing modes of high-end ventilators.</p> <p>The ventilator has breathing modes for children and infants; Has full HFO breathing modes, SIPPV/AC, IPPV/CMV, SIMV, PSV, SIMV+PSV, CPAP, nCPAP, DuoPAP/BiPAP, nIPPV, nSIMV, HFNC, HFO, nHFO, Has nebulizer support through the ventilator, has air leak compensation feature.</p>
153	X-ray film illuminator	Korea	2	I. General requirements:

				<p>100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supply configuration:</p> <p>Brightness (luminance) Minimum 3000–4000 cd/m<sup>2</sup> (candela/m<sup>2</sup>), best from 4000–5000 cd/m<sup>2</sup></p> <p>Light uniformity: Error no more than ±10% of the entire surface</p> <p>Light color temperature: About 4000–7000 K, usually neutral white light</p> <p>No flicker: Continuously stable, no flicker</p> <p>No shadows or dark streaks Light is evenly distributed across the screen</p> <p>Type of LED or white fluorescent bulb, high-power LED is preferred for durability, low heat</p> <p>Height of the film reading surface Suitable for the doctor's standing and sitting posture (usually from 1.2–1.5 m)</p> <p>Light box size: width: 105 – 115 cm, height 50 - 55 cm</p>
154	Patient Monitor	Korea	2	<p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>2. Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Main unit</li> <li>- Multi-parameter measuring block with standard accessories</li> <li>- ECG measuring cable and measuring set with electrodes 01 set</li> <li>- SpO2 measuring cable and accessories 01 set</li> <li>- NIBP non-invasive blood pressure measuring cable and cuff 01 set</li> <li>- Temperature measuring cable and accessories 01 set</li> <li>- IBP invasive blood pressure measuring cable and accessories 02 sets</li> <li>- CO2 concentration measuring block with standard accessories 01 set</li> <li>- CO2 concentration measuring cable and accessories 01 set</li> <li>- PR concentration measuring cable and accessories 01 set</li> </ul>
155	Bronchus endoscopy system	Third Country	1	<p>I. General requirements</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later;</li> <li>- Quality: 100% new</li> <li>- Meets ISO 13485, CE standards;</li> <li>- Power supply: 100V – 240 VAC, 50/60HzII.</li> </ul> <p>II. Configuration includes</p> <ul style="list-style-type: none"> <li>- Endoscopic image processor with LED light source with early cancer diagnosis function: 01 set</li> <li>- Video bronchoscope with cancer diagnosis function:</li> </ul>

				<p>01 unit</p> <ul style="list-style-type: none"> <li>- Bronchoscopy biopsy forceps: 01 unit</li> <li>- Specialized screen for endoscopy: 01 unit</li> <li>- Endoscope leakage tester: 01 unit</li> <li>- Suction machine: 01 unit</li> <li>- Color printer computer system: 01 unit</li> <li>- Electrostatic painted machine trolley: 01 unit</li> <li>- User manual in English and Vietnamese: 01 set</li> </ul>
156	Endoscope washer	Korea	2	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Configuration: Can be connected to many types of endoscopes such as Olympus, Pentax, Fujinon. The machine has 4 automatic washing modes, a powerful air injection system, and an automatic function to pump sterilization solution, washing 02 or more endoscopes at the same time</p>
157	Laparoscope cabinet	Korea	4	<p>General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configuration: Material: 1mm thick 304 stainless steel, ensuring durability and corrosion resistance HEPA filter system: 99.97% filtration efficiency for dust particles 0.3µm in size, helping to maintain a clean environment inside the cabinet. Exhaust fan: Ensures air circulation, prevents odors and maintains positive pressure in the cabinet. UV light: Supports sterilization, can be set to 0 - 60 minutes. Number of hanging endoscopes: Some models can hang from 6 to 12 sets of endoscopes Tempered glass door: Helps protect the endoscope and easily observe inside. Power source: Operates at 220V/50Hz</p>
158	Amnioscope	Third Country	1	<p>General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> </ul> <p>Connect to a hysteroscopy or laparoscopy system such as (olympus, pentax, aesculap ..... ) to perform obstetric procedures.</p>
159	Choledocho fiberscope	Third Country	1	<p>General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> </ul> <p>II. Configuration: Endoscope type: Flexible or rigid endoscope, with small diameter for easy access to the bile duct.</p>

				<p>Light source: Using LED or Xenon technology, ensuring clear light to observe lesions.</p> <p>Water pump system: Helps clean and maintain vision during endoscopy.</p> <p>Endoscope camera: High resolution, can be connected to a monitor to display detailed images.</p> <p>Working channel: Allows insertion of instruments to perform procedures such as stone removal or biopsy.</p> <p>Control system: Can adjust the viewing angle and brightness to optimize the endoscopy process.</p>
160	Colonofiberscope system	Third Country	4	<p>I. Meet general requirements: Year of manufacture: 2024 or later. 100% new Standard: ISO 13485 Power supply: 220 ±10% VAC 50Hz</p> <p>II. Configuration includes:</p> <ol style="list-style-type: none"> <li>1. Image processor with color endoscopy function and optical magnification processing in early cancer diagnosis: 01 set Full set of standard accessories</li> <li>2. Video colonoscopy flexible tube: 02 wires Full set of standard accessories</li> <li>3. Leakage test kit (manual): 01 set</li> <li>4. 4K quality specialized endoscopy screen: 01 unit Full set of standard accessories</li> <li>5. Suction machine: 01 unit Full set of standard accessories</li> <li>6. Endoscopy result printing system: 01 system Includes: 1/ Computer 2/ Printer 3/ Endoscopy result software 7. Trolley for endoscopy system: 01 unit Supplied configuration includes: With wheel brake Endoscopy wire hanger: 01 unit. Endoscopy screen hanger: 01 unit. Keyboard tray: 01 piece</li> </ol>
161	Cystoscope system	Third Country	1	<p>I. General requirements</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later;</li> <li>- Quality: 100% new</li> <li>- Meets ISO 13485, CE standards;</li> <li>- Power supply: 100V - 240 VAC, 50/60HzII.</li> </ul> <p>II. Configuration includes:</p> <ol style="list-style-type: none"> <li>1. Main components Rigid endoscope Light source: LED or Xenon light system helps provide clear light during endoscopy. Operation channel: Allows small instruments to be inserted to perform procedures such as biopsy or bladder stone removal. Irrigation system: Helps clean the bladder during endoscopy, ensuring the best visibility. Sufficient cystoscopy instruments</li> </ol>
162	Gastrofiberscope system	Third	4	I. Meet general requirements:

		Country		<p>Year of manufacture: 2024 or later. 100% new Standard: ISO 13485 Power supply: 220 ±10% VAC 50Hz</p> <p>II. Configuration includes:</p> <ol style="list-style-type: none"> <li>1. Image processor with color endoscopy function and optical magnification processing in early cancer diagnosis: 01 set Full set of standard accessories</li> <li>2. Video flexible gastric endoscope: 01 wire Full set of standard accessories</li> <li>3. Leakage tester (manual): 01 set</li> <li>4. 4K quality specialized endoscopy screen: 01 unit Full set of standard accessories</li> <li>5. Suction machine: 01 unit Full set of standard accessories</li> <li>6. Endoscopy result printing system: 01 system Includes: 1/ Computer 2/ Printer 3/ Endoscopy result software</li> <li>7. Trolley for endoscopy system: 01 unit</li> </ol> <p>Supplied configuration includes: With wheel brake Endoscopy wire hanger: 01 unit. Endoscopy screen hanger: 01 unit. Keyboard tray: 01 piece</p>
163	Laparoscope with video system	Third Country	2	<p>I. General requirements</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later;</li> <li>- Quality: 100% new</li> <li>- Meets ISO 13485, CE standards;</li> <li>- Power supply: 100V – 240 VAC, 50/60HzII.</li> </ul> <p>Configuration includes:</p> <ol style="list-style-type: none"> <li>1. Central image processor (1 Piece)</li> <li>2. Sensor camera head (1 Piece)</li> <li>3. 32-inch screen, integrated with 4K laparoscopic surgery dedicated recorder</li> <li>4. LED light source with light transmission quality testing function (1 Piece)</li> <li>5. CO2 gas pump</li> <li>6. High-frequency electric cutting machine</li> <li>7. Genuine laparoscopic surgery system trolley (1 Piece)</li> <li>8. Medical standard video recording device (4K Medical Video Recorder) (1 Piece)</li> <li>9. User manual (1 Set)</li> <li>10. General laparoscopic surgery kit (1 Set), full set of tools and aids used in laparoscopic surgery</li> </ol>
164	laparoscopic surgery and endoscopy instrument for obstetrics + urinary + digest	Third Country	4	<p>I. General requirements</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later;</li> <li>- Quality: 100% new</li> <li>- Meets ISO 13485, CE standards;</li> <li>- Power supply: 100V – 240 VAC, 50/60HzII.</li> </ul> <p>Configuration includes:</p>

				<ol style="list-style-type: none"> <li>1. Central image processor (1 Piece)</li> <li>2. Sensor camera head (1 Piece)</li> <li>3. 4K laparoscopic surgery dedicated screen</li> <li>4. LED light source with light transmission quality testing function (1 Piece)</li> <li>5. CO2 gas pump</li> <li>6. High frequency electric cutting machine</li> <li>7. Genuine laparoscopic surgery system trolley (1 Piece)</li> <li>8. Medical standard video recorder (4K Medical Video Recorder) (1 Piece)</li> <li>9. User manual (1 Set)</li> <li>10. General laparoscopic surgery kit (1 Set), full set of tools and aids used in laparoscopic surgery</li> </ol>
165	Laryngoscope	Third Country	1	Laryngoscope 70 degrees, 90 degrees
166	Nasalscope	Third Country	1	<p>I. General requirements</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later;</li> <li>- Quality: 100% new</li> <li>- Meets ISO 13485, CE standards;</li> <li>- Power source: 100V - 240 VAC, 50/60HzII.</li> </ul> <p>II. Configuration includes: Nose and sinus endoscopy system with NBI Nose and sinus endoscopy kit (1 set), full set of tools</p>
167	Colposcope	Korea	1	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration: With camera, screen, foot control, computer connected to software to return results</p>
168	Endoscopy washing machine	Korea	1	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Configuration: Can be connected to many types of endoscopes such as Olympus, Pentax, Fujinon. The machine has 4 automatic washing modes, a powerful air injection system, and an automatic function to pump sterilization solution, washing 02 or more endoscopes at the same time</p>
169	Electric suction pump	Korea	1	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supply configuration: *Type: Electric suction machine (can be equipped with</p>

				<p>rechargeable battery or used directly from the grid)</p> <ul style="list-style-type: none"> <li>* Maximum suction pressure: 0.075 - 0.08 MPa (equivalent to 560-600 mmHg)</li> <li>* Adjustable suction pressure: Adjustable from 0 to 600 mmHg</li> <li>* Fluid tank: 500 - 1000 ml, with tight lid, spill-proof, heat-resistant, sterilizable</li> <li>* Antibacterial filter: Yes (filters output air, limits cross-contamination).</li> <li>* Soft, non-toxic silicone material.</li> <li>* Power source: 220V/50Hz or built-in rechargeable battery (in the portable machine).</li> <li>* Overload protection mode: Automatic shut-off system when overheating or full tank.</li> <li>* Machine weight: Light: 3 – 7 kg.</li> <li>* Accessories included: - Suction hose, Straws of various sizes (depending on age), Bacteria filter, Spare tank (if available)</li> </ul>
170	Patient bed	Korea	80	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration: Bed frame: Usually made of stainless steel or aluminum alloy, ensuring durability and easy cleaning. Bed surface: Can be steel mesh or ABS plastic sheet, providing ventilation and easy cleaning. Wheels: Helps move flexibly, with locks to fix position. Bands: Both sides of the bed have safety bars, which can be raised and lowered according to needs. Lifting system: to lift and lower body parts to help patients change positions easily *With IV pole</p>
171	Electrocardiograph, different types	Korea	1	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Main machine: 01 unit</li> <li>- Standard accessories</li> <li>- ECG cable: 01 unit</li> <li>- Power cord: 01 unit</li> <li>- Suction electrodes on the chest with rubber nipples: 06 units</li> <li>- Limb clamp electrodes: 04 units</li> <li>- Printer paper included with the machine: 01 unit</li> <li>- Pen to clean the thermal recorder head: 01 unit</li> <li>- Rechargeable battery: 01 unit</li> <li>- 12-channel ECG machine with 8-inch screen integrated with ECG result analysis software, 1 LAN</li> </ul>

				port for connecting to a computer, 2 USB ports, can measure 18 leads (option) to export DICOM format ECG files and can synchronize with patient data in the data management system
172	Syringe annul apparatus	Korea	2	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Capable of destroying common needles, from small insulin needles to large needles</li> <li>- Fast destruction time</li> <li>- Ensure safety and hygiene</li> <li>- Simple operation, with clear instructions</li> </ul>
173	Electric surgical unit	Korea	1	<p>General requirements</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new.</li> <li>- Power supply: 198 – 260V (VAC-50/60Hz)</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>Supplied configuration</p> <ul style="list-style-type: none"> <li>- Control pedal: 01 unit.</li> <li>- Bipolar clamp: 01 unit.</li> <li>- Bipolar clamp connecting wire: 01 unit.</li> <li>- Neutral electrode plate: 10 units.</li> <li>- Neutral electrode plate connecting wire: 01 unit.</li> <li>- Monopolar knife handle: 01 unit.</li> <li>- Specialized trolley: 01 unit.</li> <li>- User manual: 01 set.</li> </ul>
174	Patient Monitor	Korea	1	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>2. Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Main unit</li> <li>- Multi-parameter measuring block with standard accessories</li> <li>- ECG measuring cable and measuring set with electrodes 01 set</li> <li>- SpO2 measuring cable and accessories 01 set</li> <li>- NIBP non-invasive blood pressure measuring cable and cuff 01 set</li> <li>- Temperature measuring cable and accessories 01 set</li> <li>- IBP invasive blood pressure measuring cable and accessories 02 sets</li> <li>- CO2 concentration measuring block with standard accessories 01 set</li> <li>- CO2 concentration measuring cable and accessories 01 set</li> <li>- PR concentration measuring cable and accessories 01 set</li> </ul>

175	Endoscopic lithotripsy system	Third Country	1	<p>I. General requirements</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later;</li> <li>- Quality: 100% new</li> <li>- Meets ISO 13485, CE standards;</li> <li>- Power supply: 100V – 240 VAC, 50/60HzII.</li> </ul> <p>II. Configuration includes Cholangioscope system, cholangioscope, light source, lithotripsy machine and accessories</p>
176	Patient bed	Korea	50	<p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration: Bed frame: Usually made of stainless steel or aluminum alloy, ensuring durability and easy cleaning.</p> <p>Bed surface: Can be steel mesh or ABS plastic sheet, providing ventilation and easy cleaning.</p> <p>Wheels: Helps move flexibly, with locks to fix position.</p> <p>Rails: Both sides of the bed have safety railings, which can be raised and lowered according to needs.</p> <p>Lifting system: Electric control to raise and lower body parts to help patients change positions easily</p> <p>*With IV pole</p>
177	Syringe annul apparatus	Korea	1	<p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Capable of destroying common needles, from small insulin needles to large needles</li> <li>- Fast destruction time</li> <li>- Ensure safety and hygiene</li> <li>- Simple operation, with clear instructions</li> </ul>
178	Mobile oxygen concentrator	Korea	1	<p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Main machine: 01 unit</li> <li>- Oxygen hose: 01 unit</li> <li>- Humidifier: 01 unit</li> <li>- User manual in English and Vietnamese: 01 set</li> </ul> <p>III. Technical parameters:</p> <ul style="list-style-type: none"> <li>- Average power consumption: 350W</li> <li>- Oxygen concentration 5 liters/minute): 93% (+3% /- 3%)</li> <li>- Oxygen flow: 0.5 - 51 liters/minute</li> <li>- Operating noise: 43dBA</li> </ul>

179	Operating microscope for ophthalmology	Korea	1	<p>- Output pressure about: 5.5 PSI</p> <p>A General requirements:</p> <ol style="list-style-type: none"> <li>1 - Year of manufacture: 2024 or later, 100% new.</li> <li>2 - Manufacturer must meet international quality standards: ISO 13485 or CE or FDA or equivalent</li> <li>3 - Power supply: 220V/50Hz</li> <li>4 Operating environment: <ul style="list-style-type: none"> <li>+ Maximum temperature can be up to <math>\geq 35^{\circ}\text{C}</math>.</li> <li>+ Maximum humidity can be up to <math>\geq 75\%</math>.</li> </ul> </li> </ol> <p>B.</p> <p>Basic configuration requirements of the device:</p> <ol style="list-style-type: none"> <li>1.Continuous zoom optical adjustment set including objective lens and eyepiece: 01 set</li> <li>2.X-Y shift set: 01 set</li> <li>3.Main body: 01 piece</li> <li>4.Dual LED light source with 2 independent sources including redflex light set and coaxial light set with neutral heat filter: integrated in the machine</li> <li>5.Floor push stand, with wheel lock: 01 set</li> <li>6.Balance arm set: 01 set</li> <li>7.Pedal to control the functions of the microscope: 01 piece</li> <li>8.Sterilization cover knob set: 01 set</li> <li>9.Sub-scope: 01 set</li> <li>10.Integrated camera: 01 set</li> <li>11.Vietnamese user manual: 01 set</li> </ol> <p>C. Technical specifications</p> <ol style="list-style-type: none"> <li>1 Technical specifications</li> </ol> <p>Independent light intensity adjustment for coaxial illumination and red light filtering to suit each specific surgical case.</p> <p>The binocular viewing tube can be tilted from 0 degrees to 90 degrees to suit the height and posture of the surgeon.</p> <p>The microscope head has a front-to-back rotating mechanism, with a maximum adjustment range of <math>\pm 30</math> degrees</p> <p>Automatic X-Y movement and focus centering</p> <p>Pedal controller <math>\geq 14</math> operations, pedal function settings can be changed according to the surgeon's specific requirements and applications</p> <ol style="list-style-type: none"> <li>2. Technical specifications</li> </ol> <p>Optical system</p> <p>Objective lens: <math>F \geq 200\text{mm}</math></p> <p>Eyepiece: 10X</p> <p>Binocular observation lens: Tiltable binocular lens <math>F \geq 170\text{mm}</math></p> <p>Total magnification: <math>\leq 3.4\text{X}</math> to <math>\geq 20.4\text{X}</math></p> <p>Real field of view: <math>\leq \Phi 9.8\text{mm}</math> to <math>\geq \Phi 58\text{mm}</math></p> <p>Focus adjustment range: <math>\geq 50\text{mm}</math></p> <p>X-Y adjustment range: <math>\geq \pm 25\text{mm}</math> in each direction (from center)</p> <p>Lighting system</p> <p>System: direct lighting system</p>
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				<p>Light source: LED                  Illuminated area: <math>\Phi \geq 60\text{mm}</math>                  Brightness adjustment: <math>\geq 9</math> levels                  Red Reflective Light Source Illumination Area: <math>\geq 22\text{mm}</math>                  Filter: Heat Absorption Filter, Blue Correction Filter, Blue Light Cut, Retina Protection                  Stand and Lifting Arm System                  Stand Type: Vertical                  Maximum Lifting Arm Length: <math>\geq 1250\text{mm}</math>                  Vertical Lifting Distance: <math>\geq 500\text{mm}</math>                  Auxiliary Lens Parameters                  Auxiliary Lens Rotates Coaxially from Left to Right                  The focusing function of the auxiliary lens is separate from the main surgical microscope, allowing independent focus adjustment, allowing for optimal viewing and setting                  Eyepiece: <math>\geq 10\times</math>                  Total Magnification of 3 Levels                  Auxiliary Lens Field of View: <math>\leq \Phi 23\text{mm}</math> to <math>\geq \Phi 61\text{mm}</math>                  Camera Parameters                  Achieved Resolution from HD or above                  Color Depth: <math>\geq 10</math> Bits                  Output Signal: HD-SDI                  Frame rate: <math>\geq 30</math> frames/second (1080P)                  D.Other requirements                  - Equipment is warranted: 12 months from the date of equipment acceptance.                  - The supplier must send a technician to the Hospital within <math>\leq 48</math> hours of receiving the hospital's request (in writing or by phone) to repair any equipment damage (if any) during the warranty period.                  - The supplier must provide the Hospital with a solution for equipment maintenance and repair after the warranty period expires.                  - The supplier is responsible for installation, testing, handover and operation instructions for users, and maintenance and repair instructions for technical staff.                  - The supplier commits to providing spare parts for at least 05 years from the date of expiration of the warranty.</p>
180	Bronchofiberscope	Third Country	1	<p>I. General requirements                  - Year of manufacture: 2024 or later;                  - Quality: 100% new                  - Meets ISO 13485, CE standards;                  - Power supply: 100V – 240 VAC, 50/60HzII.                  II. Configuration includes                  - Endoscopic image processor with LED light source with early cancer diagnosis function: 01 set                  - Video bronchoscope with cancer diagnosis function: 01 unit                  - Bronchoscopy biopsy forceps: 01 unit                  - Specialized screen for endoscopy: 01 unit                  - Endoscope leakage tester: 01 unit</p>

				<ul style="list-style-type: none"> <li>- Suction machine: 01 unit</li> <li>- Color printer computer system: 01 unit</li> <li>- Electrostatic painted machine trolley: 01 unit</li> <li>- User manual in English and Vietnamese: 01 set</li> </ul>
181	Diagnostic Endoscopy System	Third Country	1	<p>I. Meet general requirements: Year of manufacture: 2024 or later. 100% new Standard: ISO 13485 Power supply: 220 ±10% VAC 50Hz</p> <p>II. Configuration includes:</p> <ol style="list-style-type: none"> <li>1. Image processor with color endoscopy function and optical magnification processing in early cancer diagnosis: 01 set Full set of standard accessories</li> <li>2. Video flexible gastric endoscope: 02 wires Full set of standard accessories</li> <li>3. Video flexible colon endoscope: 02 wires Full set of standard accessories</li> <li>4. Leakage tester (manual): 01 set</li> <li>5. 4K quality dedicated endoscopy screen: 01 unit Full set of standard accessories</li> <li>6. Suction machine: 01 unit Full set of standard accessories</li> <li>7. Endoscopy result printing system: 01 system Includes: 1/ Computer 2/ Printer 3/ Endoscopy result software</li> <li>8. Endoscopy system trolley: 01 unit Supplied configuration includes: With wheel brake Endoscopy cable holder: 01 unit. Endoscopy screen holder: 01 unit. Keyboard tray: 01 unit</li> </ol>
182	Light Source	Korea	1	<p>Light source type: Xenon or LED. Power: light source type. Function: Illuminates the surgical field through a light guide wire connected to the endoscope lens via the light transmission channel. Adjustment system: Can adjust the light intensity, helping to optimize endoscopic images. Compatible with popular endoscopic surgery systems such as Olympus, Pentax, Asecul; Ap..... 100% new machine, manufactured from 2024 onwards.</p>
183	Autoclave 350L (01 door)	Korea	1	<p>General requirements Year of manufacture: 2024 or later, 100% new Equipment configuration High temperature sterilizer with 1 electric sliding door, square cage with built-in steam generator 01 set, including: Main machine: 01 set Genuine synchronized trolley: 02 pieces Genuine synchronized trolley: 02 carts User manual: 01 set The sterilizer has full safety features, full programs,</p>

				meeting the needs of infection control
184	Autoclave 750L (01 door)	Korea	1	<p>General requirements</p> <p>Year of manufacture: 2024 or later, 100% new</p> <p>Equipment configuration</p> <p>High temperature sterilizer with 1 electric sliding door, square cage with built-in steam generator 01 set, including:</p> <p>Main machine: 01 set</p> <p>Genuine synchronized trolley: 02 pieces</p> <p>Genuine synchronized trolley: 02 carts</p> <p>User manual: 01 set</p> <p>The sterilizer has full safety features, full programs, meeting the needs of infection control</p>
185	Celling Operating Light	Korea	4	<p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>2-branch LED light, special optical system, uniform, clear light spot, high luminous efficiency, no shadow, no heat increase</p>
186	Electrosurgical Unit with Vessel Sealing Function	Korea	1	<p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>Integrated ultrasonic technology, with or without bipolar circuit welding technology</p>
187	Patient Monitor	Korea	4	<p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>2. Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Main unit</li> <li>- Multi-parameter measuring block with standard accessories</li> <li>- ECG measuring cable and measuring set with electrodes 01 set</li> <li>- SpO2 measuring cable and accessories 01 set</li> <li>- NIBP non-invasive blood pressure measuring cable and cuff 01 set</li> <li>- Temperature measuring cable and accessories 01 set</li> <li>- IBP invasive blood pressure measuring cable and accessories 02 sets</li> <li>- CO2 concentration measuring block with standard accessories 01 set</li> <li>- CO2 concentration measuring cable and accessories 01 set</li> <li>- PR concentration measuring cable and accessories 01 set</li> </ul>

188	C-arm X-ray system	Korea	1	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later, 100% new - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: C-arm: 01 unit X-ray tube: 01 unit Collision system: 01 unit High-voltage generator: 01 unit Intensifier: 01 unit Digital camera: 01 unit Control panel on C-arm: 01 unit Control panel on monitor trolley: 01 unit Display screen: 01 unit Built-in data storage unit: 01 set Digital image processing software package: 01 set Photo printer on paper: 01 unit Lead vest: 02 units Lead collar to cover thyroid gland: 02 units</p>
189	Laparoscope with video system	Korea	1	<p>I. General requirements - Year of manufacture: 2024 or later; - Quality: 100% new - Meets ISO 13485, CE standards; - Power supply: 100V – 240 VAC, 50/60HzII.</p> <p>Configuration includes: 1. Central image processor (1 Piece) 2. Sensor camera head (1 Piece) 3. 32-inch screen, integrated with 4K laparoscopic surgery dedicated recorder 4. LED light source with light transmission quality testing function (1 Piece) 5. CO2 gas pump 6. High-frequency electric cutting machine 7. Genuine laparoscopic surgery system trolley (1 Piece) 8. Medical standard video recording device (4K Medical Video Recorder) (1 Piece) 9. User manual (1 Set) 10. General laparoscopic surgery kit (1 Set), full set of tools and aids used in laparoscopic surgery</p>
190	Urology surgery instrument set	Korea	1	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: - Meets major surgeries; - Surgical instruments for liver resection, gastric resection and colorectal resection: Thompson, Balfour Self Retaining, Farabeuf, Deaver, Melleable, Richardson, Lone Star... - Thoracotomy chest retractor</p>

191	Operating table	Korea	9	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: Multi-function hydraulic operating table, designed to suit surgeries in all fields: urology, neurology, orthopedics, cardiology, with C-Arm access, detachable legs on both sides, reversible orientation, sliding table top, episiotomy, handheld control.</p>
192	Thyroid surgery instrument set	Korea	1	<p>I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: - Meets major surgeries; - Has full equipment for thyroid surgery</p>
193	Major surgical instrument set	Korea	1	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: - Meets major surgeries; - Surgical instruments for liver resection, stomach resection and colon resection: Thompson, Balfour Self Retaining, Farabeuf, Deaver, Melleable, Richardson, Lone Star...</p>
194	Medium surgical instrument set	Korea	1	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: - Meets medium-sized surgeries - Medium-sized surgical instruments: Gosset, Farabeuf, Deaver, Melleable, Richardson, Mayo scissors, Metzenbaum scissors, kelly, pean, Kocher clamps, sanz, k, blunt-headed dissecting forceps, tweezers, needle-carrying forceps, Allis, babcock forceps...</p>
195	Minor surgical instrument set	Korea	1	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: - Meets minor surgeries - Minor surgery instrument set: Farabeuf retractor, Mayo scissors, Metzenbaum scissors, kelly clamp, pean, Kocher clamp, sanz, Mosquito clamp, tweezers, needle clamp, Allis clamp, babcock...</p>

196	Pneumatic Tourniquet	Korea	1	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later - Power source: 220V - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supply configuration: Touch screen: clearly displays information about pressure and operating time Lithium-Ion battery: Powerful capacity, continuous operation up to 8 hours Safety warning: Warning system when pressure changes suddenly during surgery Pressure adjustment: Allows pre-setting of desired time and pressure</p>
197	Surgical scrub station for two persons	Korea	4	Stainless steel tank, meets health department standards
198	Defibrillator (with Peacemaker)	Korea	2	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later - Power source: 220 V - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Configuration includes - Main machine with screen and recorder: 01 unit - ECG cable: 01 unit - Rechargeable battery: 01 unit - Adult and child shock pad: 01 unit - Thermal paper: 01 roll - External pacemaker pad attachment wire: 01 unit - External pacemaker pad set. - Power cord: 01 unit - Shock gel tube: 01 tube - User manual in English and Vietnamese: 01 set</p>
199	Ultrasound probe nerves , blood vessels	Third Country	1	<p>I. Meet general requirements: - Year of manufacture: 2024 or later. - Quality: 100% new - Operating environment: Vietnam climate conditions - Power source: 220 ±10% VAC 50Hz</p> <p>II. Configuration includes: - Trolley-type color ultrasound machine: 01 unit - Convex probe: 01 unit - Linear probe: 01 unit - Adult Sector probe: 01 unit - Software: has all the advanced software used for color ultrasound compatible with the probe features - Color ultrasound machine, meeting the standards for vascular and nerve ultrasound - Accessories included: + Computer set with ultrasound result software: 01 set + Color printer: 01 unit + UPS 2 KVA: 01 set + Black and white thermal printer: 01 unit - User manual in English / Vietnamese: 01 set</p>

200	Aesthetic and beauty surgery instrument set	Korea	1	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: 1. Cutting and shaping tools Scalpels: Available in many different sizes and shapes to make precise incisions. Surgical scissors: Used to cut soft tissue, including Metzenbaum scissors and Iris scissors. 2. Clamping and fixing tools Surgical clamps Retractors Suture needles: Used to suture tissue after surgery, with many types suitable for each skin area. 3. Support tools Electrocautery: Helps cut tissue and coagulate blood to reduce bleeding. Measuring tools: Ruler, compass to ensure balance in cosmetic surgery. Endoscope: Supports checking the surgical area with high precision.</p>
201	Cardiac-vascular operating instrument set	Korea	1	100% new product.
202	Cholecystectomy operating instrument set	Korea	1	- Year of manufacture: 2024 or later
203	Delivery surgical instrument set	Korea	1	- Power source: 220V or 380V
204	ENT surgery instrument set	Korea	1	#NAME?
205	Infant and children surgical instrument set	Korea	1	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: - Meets small-sized medium-sized surgeries -Ensures full range of pediatric and neonatal surgical instruments</p>
206	Maxillo facial surgical instrument set	Korea	1	<p>I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: -Ensure full range of maxillofacial surgical instruments such as jawbone, teeth, soft tissue, .....</p>
207	Micro operating instrument set for ear	Korea	1	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration:</p>

				-Ensure full range of ear surgery tools: tympanic cavity surgery, auricular tumors, auricular shaping
208	Nervous – brain surgery instrument set	Korea	1	I. General requirements: 100% new. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: -Ensure full range of specialized tools to support surgeries related to the cranial nervous system
209	Gastric Surgical Instrument Set	Korea	1	I. General requirements: 100% new. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: - Ensure full range of instruments for gastric surgery - Balfour Self Retaining, Richardson, Farabeuf, Deaver, Melleable. Pulldog forceps, Kelly blunt and curved dissection forceps....
210	Operating instrument set for larynx	Korea	1	I. General requirements: 100% new. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: - Ensure full range of instruments for laryngeal surgery Partial and total laryngectomy surgical instrument set
211	Operating instrument set for nasal cavity	Korea	1	I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: - Ensure adequate instruments for sinus surgery
212	Operating instrument set for nervous	Korea	1	I. General requirements: 100% new. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: -Ensure full range of specialized tools to support surgeries related to the nervous system
213	Operating instrument set for venotomy	Korea	1	I. General requirements: 100% new. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: -Ensure full range of specialized tools to support vascular-related surgeries
214	Ophthalmotomy instrument set	Korea	1	I. General requirements: 100% new. - Year of manufacture: 2024 or later

				<ul style="list-style-type: none"> <li>- Operating environment: Suitable for Vietnam's climate.</li> <li>II. Supplied configuration: <ul style="list-style-type: none"> <li>-Ensure full range of specialized tools to support surgeries related to eye surgery</li> </ul> </li> </ul>
215	Prostatectomy operating instrument set	Korea	1	<ul style="list-style-type: none"> <li>I. General requirements: <ul style="list-style-type: none"> <li>100% new product.</li> <li>- Year of manufacture: 2024 or later</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> </li> <li>II. Supplied configuration: <ul style="list-style-type: none"> <li>- Meets major surgeries;</li> <li>- Prostate surgical instruments</li> </ul> </li> </ul>
216	Spine operating instrument set	Korea	1	<ul style="list-style-type: none"> <li>I. General requirements: <ul style="list-style-type: none"> <li>100% new.</li> <li>- Year of manufacture: 2024 or later</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> </li> <li>II. Supplied configuration: <ul style="list-style-type: none"> <li>The configuration includes all accompanying tools for spinal surgery such as:</li> <li>Tissue extraction tools,</li> <li>Bone cutting tools, bone scrapers</li> <li>Drill and screw tools</li> <li>Bone chewing tools:</li> <li>Neurosurgical tools</li> <li>Hemostatic tools</li> <li>Support tools</li> <li>.....</li> </ul> </li> </ul>
217	Syringe annul apparatus	Korea	1	<ul style="list-style-type: none"> <li>I. General requirements: <ul style="list-style-type: none"> <li>100% new.</li> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> </li> <li>II. Supplied configuration: <ul style="list-style-type: none"> <li>- Capable of destroying common needles, from small insulin needles to large needles</li> <li>- Fast destruction time</li> <li>- Ensure safety and hygiene</li> <li>- Simple operation, with clear instructions</li> </ul> </li> </ul>
218	Blood glucose metter	Korea	1	<ul style="list-style-type: none"> <li>Display: LCD displays clear results</li> <li>Measurement time: &lt; 5 seconds</li> <li>Memory: Stores &gt;500 measurement results</li> </ul>
219	Electric syringe pump	Korea	5	<ul style="list-style-type: none"> <li>I. General requirements: <ul style="list-style-type: none"> <li>100% new.</li> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> </li> <li>II. Supply configuration: <ul style="list-style-type: none"> <li>* Infusion rate: normal infusion, rapid infusion (Bolus), tablet retention infusion, adjustable odd number range from 0.1 ml/h to 1500 ml/h (depending on model and</li> </ul> </li> </ul>

				<p>syringe size)</p> <ul style="list-style-type: none"> <li>* High accuracy</li> <li>* Compatible with syringe sizes of 5ml, 10ml, 20ml, 50/60ml and compatible with many types of standard syringes of different manufacturers.</li> <li>* Many alarm functions, safety warnings: injection line blockage, low fluid, low fluid, pressure, battery alarm. Audio and visual warning (light or symbol)</li> <li>* Clear, easy-to-read screen, fully displays pump speed, pumped volume, remaining time, pump status.</li> <li>* Power source: using power source, backup battery.</li> <li>* Can be mounted on the infusion stand or fixed on the infusion bar</li> <li>* Safe material, easy to clean.</li> </ul>
220	Tracheotomy instrument set	Korea	1	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>* Material: stainless steel.</li> <li>* Full set of the following tools:</li> </ul> <ol style="list-style-type: none"> <li>1. Scalpel + knife handle No. 4: used for blade No. 11 or 15, Quantity: 01.</li> <li>2. Curved surgical scissors (Metzenbaum: size: 14–18 cm, quantity: 01.</li> <li>3. Curved / straight Kelly forceps: size: 14–16 cm, quantity: 02.</li> <li>4. Halstead-Mosquito forceps: size: 12–14 cm, quantity: 02.</li> <li>5. Toothless dissection forceps: size: 12–15 cm, quantity: 01.</li> <li>6. Toothed dissection forceps: size: 12–15 cm, quantity: 01.</li> <li>7. Tracheal hook forceps: Single or double type, quantity: 01 - 02.</li> <li>8. Tracheal dilator: standard size, quantity: 01.</li> <li>9. Scissors tracheal cartilage cutting: Special curved tip, quantity: 01.</li> <li>10. Mayo-Hegar needle forceps, size: 14–16 cm, quantity: 01.</li> </ol>
221	Operating instrument set for venotomy	Korea	1	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>-Ensure full range of specialized tools to support vascular-related surgeries</li> </ul>
222	Anesthesia Unit	Korea	5	<p>General requirements:</p> <ul style="list-style-type: none"> <li>+ Year of manufacture: 2024 or later; 100% new</li> <li>+ Manufacturer meets standards: ISO 13485, CE</li> </ul> <p>Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Main anesthesia machine with display screen with</li> </ul>

				<p>trolley and drawer for anesthesia: 01 unit</p> <p>- Accessories</p> <p>+ Breathing machine with color touch screen display</p> <p>+ LCD screen (displaying air source pressure, battery and air supply status), integrated synchronously with the main machine: 01 unit</p> <p>+ Electronic display air flow set for O2 &amp; AIR: 01 set</p> <p>+ Semi-closed anesthesia to open anesthesia converter, integrated synchronously with the main machine: 01 set</p> <p>+ External oxygen flow meter, integrated synchronously with the main machine: 01 set</p> <p>+ CO2 absorption system with soda lime tank: 01 set</p> <p>+ Silicone breathing circuit for adults and children with squeeze bag, reusable: 01 set</p> <p>+ Adult anesthesia mask reusable: 01 piece</p> <p>+ Reusable pediatric anesthesia mask: 01 piece</p> <p>+ Flow sensor: 3 pieces</p> <p>+ Active waste anesthetic gas exhaust system with exhaust line, integrated synchronously with main machine: 01 set</p> <p>+ Artificial lung: 01 unit</p> <p>+ Self-recharging battery in the machine: 01 set</p> <p>+ Air hose set for O2 &amp; AIR: 01 set</p> <p>+ Power cord: 01 unit</p> <p>+ 4-wheel synchronized trolley with brake, integrated with the main machine: 01 unit</p> <p>+ User manual: 01 set</p> <p>+ Breathing tube for children, infants with squeeze ball, multiple uses: 01 set</p> <p>+ Vaporizer (Optional anesthetic type): 01 set</p> <p>+ Anesthetic gas measuring block, built into the machine with accessories (water trap; gas sampling line): 01 set</p> <p>- Function:</p> <p>+ Displays the concentration of inhaled and exhaled gas of O2, N2O, CO2</p> <p>Anesthesia machine helps breathing, suitable for infants, children and adults</p>
223	Syringe Pump TCI	Korea	8	<p>I. General requirements:</p> <p>100% new.</p> <p>- Year of manufacture: 2024 or later</p> <p>- Power source: 220V or 380V</p> <p>- Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supply configuration:</p> <p>* Infusion rate: normal infusion, rapid infusion (Bolus), tablet retention infusion, adjustable odd number range from 0.1 ml/h to 1500 ml/h (depending on model and syringe size)</p> <p>* High accuracy</p> <p>* Compatible with syringe sizes of 5ml, 10ml, 20ml, 50/60ml and compatible with many types of standard syringes of different manufacturers.</p> <p>* Many alarm functions, safety warnings: injection line</p>

				<p>blockage, low fluid, low fluid, pressure, battery alarm.          Audio and visual warning (light or symbol)          * Clear, easy-to-read screen, fully displaying pump speed, pumped volume, remaining time, pump status.          * Power source: using power source, backup battery.          * Can be mounted on the infusion stand or fixed on the infusion bar          * Safe material, easy to clean.          * TCI Controls the concentration of the product</p>
224	Ultrasound diagnostic apparatus	Korea	1	<p>I. Meet general requirements:          - Year of manufacture: 2024 or later.          - Quality: 100% new          - Operating environment: Vietnam's climate conditions          - Power source: 220 ±10% VAC 50Hz          II. Meet configuration including:          - Trolley-type color ultrasound machine: 01 unit          - Convex probe: 01 unit          - Block probe: 01 unit          - Vaginal probe: 01 unit          - With doppler, high resolution          - Software: has all the advanced software for color ultrasound compatible with the features of the probe          - Accessories included:          + Computer with ultrasound result software: 01 set          + Color printer: 01 unit          + UPS 2 KVA: 01 set          + Black and white thermal printer: 01 unit          - User manual in English / Vietnamese: 01 set</p>
225	Delivery table	Korea	3	<p>I. General requirements:          100% new.          - Year of manufacture: 2024 or later          - Operating environment: Suitable for Vietnam's climate.          II. Supplied configuration:          The table is wide enough, sturdy, the table can be controlled up and down, and the head can be raised and lowered</p>
226	Patient Monitor	Korea	5	<p>I. General requirements:          100% new.          - Year of manufacture: 2024 or later, 100% new          - Power source: 220V or 380V          - Operating environment: Suitable for Vietnam's climate.          2. Supplied configuration:          - Main unit          - Multi-parameter measuring block with standard accessories          - ECG measuring cable and measuring set with electrodes 01 set          - SpO2 measuring cable and accessories 01 set          - NIBP non-invasive blood pressure measuring cable and cuff 01 set          - Temperature measuring cable and accessories 01 set          - IBP invasive blood pressure measuring cable and</p>

				<p>accessories 02 sets</p> <ul style="list-style-type: none"> <li>- CO2 concentration measuring block with standard accessories 01 set</li> <li>- CO2 concentration measuring cable and accessories 01 set</li> <li>- PR concentration measuring cable and accessories 01 set</li> </ul>
227	Patient bed	Korea	50	<p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration: Bed frame: Usually made of stainless steel or aluminum alloy, ensuring durability and easy cleaning.</p> <p>Bed surface: Can be steel mesh or ABS plastic sheet, providing ventilation and easy cleaning.</p> <p>Wheels: Helps move flexibly, with locks to fix position.</p> <p>Rails: Both sides of the bed have safety railings, which can be raised and lowered according to needs.</p> <p>Lifting system: Electric control to raise and lower body parts to help patients change positions easily</p> <p>*With IV pole</p>
228	Gynaecological examining table	Korea	2	<p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <p>The table is wide enough, sturdy, the table can be controlled up and down, and the head can be raised and lowered</p>
229	Doppler foetal apparatus	Korea	4	<p>I. General requirements:</p> <p>100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <p>With LED screen, 2 fetal heart rate probes (twin measurement), contractions, fetal movement marking,</p>
230	SPO2 metter	Korea	10	<p>I. General requirements:</p> <p>100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Configuration provided:</p> <ul style="list-style-type: none"> <li>* Sharp display screen, easy to see at night, displays: SpO2 index, heart rate, SpO2 waveform</li> <li>* High accuracy.</li> <li>* Reusable sensor can be used for both children and infants</li> </ul>

				<p>* Has safety warnings, oxygen saturation status, alarms, sounds, power status.</p> <p>* Uses power source and backup battery.</p>
231	Phototherapy lamp for jaundice	Korea	5	<p>General requirements: 100% new. - Year of manufacture: 2024 or later - Power source: 220V - Operating environment: Suitable for Vietnam's climate</p> <p>II. Configuration: Light type: Uses blue light with a wavelength of 420-480nm, helping to effectively decompose bilirubin. LED technology: LED lights have a long life, do not emit ultraviolet rays, ensuring safety for newborns. Intensity adjustment: The lighting intensity can be adjusted to three levels: high, medium, low. Flexible design: The lamp can be adjusted in height from 1200mm to 1700mm, suitable for many treatment locations. Timer system: Treatment time can be set from 30 to 240 minutes, time display from 0 - 999 minutes. Irradiation surface: 2-sided irradiation.</p>
232	Electric surgical unit	Third country	1	<p>I. General requirements 100% Brand New - Year of Manufacture: From 2024 onward - Power Supply: 198–260V (VAC – 50/60Hz) - Operating Environment: Suitable for Vietnam's climate</p> <p>II. Configurations - Control footswitch pedal: 01 unit - Bipolar forceps: 01 unit - Neutral electrode plates: 10 pieces - Cable for neutral electrode plate: 01 unit - Monopolar handpiece: 01 unit - Dedicated trolley: 01 unit - Includes high-frequency generator and LEEP loop set - User manual: 01 set</p>
233	Electric continuous suction pump	Third country	3	<p>I. General requirements 100% Brand New - Year of Manufacture: From 2024 onward, brand new - Power Supply: 220V or 380V - Operating Environment: Suitable for Vietnam's climate</p> <p>II. Configurations - Main unit: 01 unit - Hose: 01 unit - Negative pressure generator tank: 01 unit - Water pressure control valve bar: 01 unit - 1.4-liter fluid container: 01 unit - Handle: 01 unit - Safety valve set: 01 unit - Power cord: 01 unit - Suction tube with nozzle: 01 unit - Connector between container and pressure tank: 01</p>

				<ul style="list-style-type: none"> <li>unit</li> <li>- Water pressure regulating knob: 01 unit</li> <li>- Pressure tank lid: 01 unit</li> <li>- Connector between container and machine: 01 unit</li> <li>- Patient hose: 01 unit</li> <li>- User Manual (Vietnamese + English): 01 set</li> </ul>
234	Colposcope	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of Manufacture: From 2024 onward</li> <li>- Power Supply: 220V or 380V</li> <li>- Operating Environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configuration Includes camera, monitor, foot control, and a computer system connected with software for result processing</p>
235	Defibrillator	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of Manufacture: From 2024 onward</li> <li>- Power Supply: 220 V</li> <li>- Operating Environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Main unit with display screen and recorder: 01 unit</li> <li>- ECG cable: 01 unit</li> <li>- Rechargeable battery: 01 unit</li> <li>- Adult and pediatric defibrillation pads: 01 set</li> <li>- Thermal paper: 01 roll</li> <li>- Cable for external pacer pad connection: 01 unit</li> <li>- 2 sets of external pacer pads</li> <li>- Power cable: 01 unit</li> <li>- Defibrillation gel tube: 01 tube</li> <li>- User manual in English and Vietnamese: 01 set</li> </ul>
236	Electric suction pump for newborn	Korea	3	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of Manufacture: From 2024 onward</li> <li>- Power Supply: 220V or 380V</li> <li>- Operating Environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Machine type: Electric suction machine (may include rechargeable battery or operate directly via power cord)</li> <li>- Maximum vacuum pressure: 0.075 – 0.08 MPa (equivalent to 560–600 mmHg)</li> <li>- Adjustable vacuum pressure: Adjustable up to 600 mmHg</li> <li>- Flow rate: <math>\geq 15\text{--}30</math> L/min (suitable for newborns and infants)</li> <li>- Noise level: <math>\leq 60</math> dB (quiet operation, safe for children)</li> <li>- Collection jar capacity: 500–1000 ml, with cap, anti-overflow, heat-resistant and sterilizable</li> <li>- Antibacterial filter set: Includes primary filter to reduce cross-contamination risks</li> <li>- Material: Soft, non-toxic silicone suitable for children</li> </ul>

				<ul style="list-style-type: none"> <li>- Power supply: 220V/50Hz with built-in rechargeable battery (for mobile units)</li> <li>- Overheat protection: Equipped with automatic shut-off when overheated or bottle is full</li> <li>- Weight: Lightweight – between 3 to 7 kg</li> <li>- Accessories included: Suction tubing, Multiple-size suction heads (depending on age), Bacterial filters, Spare collection bottle (if applicable)</li> </ul>
237	Electric syringe pump	Korea	10	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Infusion rate options: Supports multiple modes including continuous infusion, rapid infusion (Bolus), and intermittent infusion. Adjustable infusion rate ranges from 0.1 ml/h to 1500 ml/h (depending on model and syringe size)</li> <li>- High accuracy</li> <li>- Syringe compatibility: Compatible with syringe sizes of 5 ml, 10 ml, 20 ml, 50/60 ml and supports many standard syringe brands from various manufacturers</li> <li>- Alarm and safety features: Audible and visual alarms for occlusion, near-empty syringe, end of infusion, pressure issues, and low battery. Alerts are indicated via lights, icons, or sound</li> <li>- Clear and easy-to-read display: Shows detailed information including infusion rate, volume infused, remaining time, and syringe status</li> <li>- Power supply: Operates on both AC and backup battery</li> <li>- Secure syringe attachment: Ensures consistent and stable delivery during infusion</li> <li>- Safe and hygienic materials: Made from biocompatible, medical-grade materials</li> </ul>
238	Endotracheal instrument set	Korea	2	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Laryngoscope handle: Made of alloy, ergonomic grip, compatible with AA/AAA batteries. When a blade is attached, the light automatically turns on. The light source is sterilizable or replaceable. Batteries are removable</li> <li>- Light source: LED (cold light) or fiber optic, brightness <math>\geq 11,000</math> Lux, lifespan <math>\geq 10,000</math> hours. Light source is built into the handle and replaceable</li> <li>- Curved blades (Macintosh): Sizes 1, 2, 3, 4 (based on age group)</li> <li>- Straight blades (Miller): Sizes 0, 1, 2 (for neonates,</li> </ul>

				<p>infants, small children with soft epiglottis)</p> <ul style="list-style-type: none"> <li>- Blades are made of stainless steel, rounded tip, no sharp edges</li> <li>- Blades and handle are detachable. Connection is secured with joints conforming to ISO 7376 standard. Usable for 500–1000 cycles</li> <li>- Entire set must comply with ISO and FDA/CE standards, with no grooves or rough surfaces for easy cleaning</li> <li>- Must include blade storage case, replacement bulb tools, battery compartment, and connection joints</li> <li>- Warranty: At least 2 years. Must provide technical support, usage guide, and maintenance service</li> </ul>
239	Gynecological operating table	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations Multifunctional hydraulic operating table, designed to accommodate various surgical specialties including urology, neurology, orthopedics, cardiology, with compatibility for C-Arm imaging. The leg section is separable on both sides and removable. The table allows for directional rotation, tabletop sliding, Trendelenburg/reverse Trendelenburg positioning, and height adjustment. Operated via handheld controller</p>
240	Infant incubator	Korea	5	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Fully enclosed design with windows for caregiver access and infant care</li> <li>- Base includes compartments for medical equipment; entire bed enclosure is mounted on a wheeled frame with a braking system</li> <li>- Equipped with a storage drawer, IV pole, and adjustable mattress platform</li> <li>- Overhead radiant warmer with integrated yellow light</li> <li>- Electrical sockets provided</li> <li>- LED display screen shows both set and actual temperature/humidity values</li> <li>- Control panel allows adjustment of temperature and humidity based on infant conditions</li> <li>- Equipped with continuous skin temperature sensor</li> <li>- Capable of automatically adjusting heating based on temperature changes</li> <li>- Alarm system for over/under temperature, improper humidity, and system faults</li> <li>- Supports all operation modes: Air mode, Manual</li> </ul>

				mode, Skin mode, Servo control mode
241	Infrared lamp for therapy	Korea	5	<ul style="list-style-type: none"> <li>- Wavelength range: Typically from 620 nm to 650 nm, helps relieve pain, reduce inflammation, and enhance blood circulation</li> <li>- Power consumption: Approximately 250W, ensuring effective treatment without harming the body</li> <li>- Power supply: AC 110V/220V, 50/60Hz, suitable for various usage environments</li> </ul>
242	Infusion pump	Korea	3	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Infusion rate range: Suitable for both rapid IV infusion and slow drip for neonates; adjustable from 0.1 to 1200 ml/h (depending on model)</li> <li>- Volume setting: Allows setting total infusion volume per treatment session</li> <li>- Ensures accurate infusion rates</li> <li>- Operation modes: Continuous infusion, bolus (rapid dose), and low-rate maintenance (~1 ml/h)</li> <li>- Alarm system: Alerts for occlusion, end of infusion, low battery, etc</li> <li>- Display: Clear and easy-to-read screen showing infusion rate, volume infused, remaining time, and status</li> <li>- Tube compatibility: Compatible with standard medical-grade IV tubing</li> <li>- Tubing fixation: Tubing is secured using a clamp or dedicated holder</li> <li>- Audible and visual alarms: Notification via light or icon and sound</li> <li>- Power supply: Operates on AC power and includes a backup battery</li> </ul>
243	Minor surgical instrument set	Korea	2	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Bed frame: Typically made from stainless steel or aluminum alloy for durability and ease of cleaning</li> <li>- Bed surface: Made of steel mesh or ABS plastic panels for ventilation and easy maintenance</li> <li>- Wheels: Allow for flexible movement and include locks to secure the bed in place</li> <li>- Side rails: Both sides of the bed feature safety rails that can be raised or lowered as needed</li> <li>- Lifting system: Electrically controlled to raise/lower different parts of the bed, allowing patients to adjust position easily</li> </ul>

				- IV pole: Equipped with a built-in infusion pole
244	Post delivery recovered bed	Korea	5	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- LED screen</li> <li>- 2 fetal heart rate transducers (for twin monitoring)</li> <li>- Toco probe (for uterine contractions)</li> <li>- Marker for fetal movement indication</li> </ul>
245	Uterine Contraction Monitor	Korea	6	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Type: Electric suction machine (with rechargeable battery or direct AC operation)</li> <li>Maximum suction pressure: 0.075 – 0.08 MPa (equivalent to 560–600 mmHg)</li> <li>- Adjustable suction pressure: From 0 to 600 mmHg</li> <li>- Collection bottle: 500 – 1000 ml, sealed, overflow protection, heat-resistant, sterilizable</li> <li>- Antibacterial filter: Included (removes dust particles, minimizes cross-contamination)</li> <li>- Material: Soft, non-toxic silicone</li> <li>- Power source: 220V/50Hz or built-in rechargeable battery (for portable units)</li> <li>- Overload protection: Automatic shut-off system for overheat or full bottle condition</li> <li>- Weight: Lightweight – 3 to 7 kg</li> <li>- Accessories: Suction tubing, Multiple-size suction heads (age-dependent), Bacterial filters, Spare collection bottle (if applicable)</li> </ul>
246	Electric suction pump	Korea	2	<ul style="list-style-type: none"> <li>- Maximum capacity: 150 kg</li> <li>- Weight graduation: 10g</li> <li>- Height measurement range: 70 – 190 cm</li> <li>- Height graduation: 0.5 cm</li> <li>- Power supply: 220V / 50Hz</li> </ul>
247	Weighing scale for measure rod	Korea	2	<ul style="list-style-type: none"> <li>- Maximum capacity: 20 kg</li> <li>- TARE function: Allows weight deduction when weighing the baby with a blanket or diaper</li> <li>- Display: Large, easy-to-read LCD screen</li> <li>- Integrated height ruler: Measures up to 50 cm</li> </ul>
248	Weighing scale for new- born	Korea	3	<ul style="list-style-type: none"> <li>- Maximum weight capacity: 120 kg</li> <li>- Height measurement range: 70 – 190 cm</li> <li>- Smallest graduation of the height scale: 0.5 cm</li> </ul>
249	Weighing scale, 120kg	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> </ul>

				<ul style="list-style-type: none"> <li>- Operating environment: Suitable for Vietnam's climate</li> <li>II. Configurations</li> <li>- Capacity: 250 liters or more</li> <li>- Adjustable sterilization time</li> <li>- Overheat protection alarm</li> <li>- Adjustable top air exhaust vent with controllable airflow</li> <li>- Fast heating, forced convection air circulation, rapid sterilization</li> <li>- Precise temperature control; inner chamber made of stainless steel</li> <li>- Forced air convection ensures rapid temperature distribution and uniformity</li> </ul>
250	Electric oven 2500C, high capacity	Korea	1	<ul style="list-style-type: none"> <li>I. General requirements</li> <li>100% Brand New</li> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> <li>II. Configurations</li> <li>- Upright cabinet with one lockable door; capacity: 250 liters</li> <li>- High cooling performance, capable of reaching desired temperatures</li> <li>- Even temperature distribution inside the chamber with minimal fluctuation; fast recovery after door openings</li> <li>- Interior and exterior typically made of stainless steel or powder-coated steel, durable, easy to clean, corrosion-resistant, equipped with casters for mobility</li> </ul>
251	Deep-refrigerator – 300C 250L	Korea	1	<ul style="list-style-type: none"> <li>I. General requirements</li> <li>100% Brand New</li> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> <li>II. Configurations</li> <li>- Capable of detecting a wide range of microorganisms</li> <li>- Fast detection time</li> <li>- Specialized culture environments</li> <li>- Continuous shaking and incubation</li> <li>- Flexible sample management</li> </ul>
252	Automatic Blood Culture System	Third country	1	<ul style="list-style-type: none"> <li>I. General requirements</li> <li>100% Brand New</li> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> <li>II. Configurations</li> <li>- Quick reporting time</li> <li>- Capable of identifying hundreds of microbial species, including: Gram-negative bacteria, Gram-positive bacteria, Anaerobic bacteria, Fastidious organisms, Yeasts and fungi</li> </ul>

				<ul style="list-style-type: none"> <li>- Performs antimicrobial susceptibility testing (AST) for a wide range of antibiotics and antifungals, with specific MIC (Minimum Inhibitory Concentration) values for each</li> <li>- High level of automation, with data aggregation and statistical analysis capabilities</li> <li>- Supports two-way integration with LIS/HIS systems</li> </ul>
253	Microbial identification system and antibiotic susceptibility testing	Third country	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- High throughput capacity, with integrated ISE (Ion Selective Electrode) electrolyte analysis</li> <li>- Automated sample and reagent handling</li> <li>- Advanced measurement system</li> <li>- Smart software with LIS/HIS connectivity</li> <li>- Safe and easy to maintain</li> </ul>
254	Automatic biochemistry analyzer	Third country	2	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Capable of detecting molecules at low concentrations and clearly separating components with slight differences in size or charge</li> </ul>
255	Cell electrophoresis system	Third country	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- High throughput capacity with integration of 2-3 modules or more, using advanced measurement techniques offering high reliability and wide dynamic range</li> <li>- Automated sample and reagent handling system</li> <li>- Quality control system with intelligent software</li> <li>- LIS/HIS connectivity</li> <li>- Safe and easy to maintain</li> </ul>
256	Automatic immunology analyzer	Third country	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Capable of analyzing at least 10 physicochemical parameters from urine test strips</li> </ul>

				<ul style="list-style-type: none"> <li>- Supports automated sample processing</li> <li>- Quality control system with intelligent software</li> <li>- LIS/HIS connectivity</li> <li>- Safe and easy to maintain</li> </ul>
257	Automatic urine analyzer 10 parameters	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Versatile and user-friendly optical system with magnification levels of 10x, 40x, and 100x (oil immersion objective)</li> <li>- Adjustable illumination system to suit different magnifications and sample types</li> <li>- Materials: Durable, corrosion-resistant, easy to clean</li> <li>- Design: Ergonomic structure and layout</li> </ul>
258	Binocular microscope	Third country	2	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Measures blood gas parameters such as pH, pCO<sub>2</sub>, pO<sub>2</sub>, etc.</li> <li>- Short analysis time, small sample volume, and highly reliable results</li> <li>- Long-lifespan electrodes, easy to clean</li> <li>- Automatic calibration</li> <li>- User-friendly interface with scientific data management</li> <li>- LIS/HIS connectivity</li> <li>- Safe and easy to maintain</li> </ul>
259	Blood gas analyzer	Third country	2	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Must be capable of measuring at least the basic ions: Na<sup>+</sup>, Cl<sup>-</sup>, K<sup>+</sup></li> <li>- High throughput, small sample aspiration volume, and high result reliability</li> <li>- Electrodes with long lifespan, easy to clean and replace</li> <li>- Barcode scanning capability</li> <li>- LIS/HIS connectivity</li> <li>- Safe and easy to maintain</li> </ul>
260	Electrolyte Analyzer	Third country	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> </ul>

				<ul style="list-style-type: none"> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Capable of measuring within a wide pH range, typically from 0.00 to 14.00 pH</li> <li>- High accuracy: <math>\pm 0.01</math> pH / <math>\pm 0.002</math> pH</li> <li>- Resolution: 0.01 pH / 0.001 pH</li> <li>- Connectivity: Compatible with computer and printer</li> <li>- User-friendly interface</li> <li>- Safe and easy to maintain</li> </ul>
261	pH meter	Third country	2	<ul style="list-style-type: none"> <li>- Hygienic, durable, and easy to clean and disinfect</li> </ul>
262	Clean box	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Capable of detecting a wide range of microorganisms</li> <li>- Rapid detection time</li> <li>- Specialized culture environment</li> <li>- Continuous shaking and incubation</li> <li>- Flexible sample management</li> </ul>
263	Densitometer	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- High throughput capacity, fast sample analysis time</li> <li>- Automated sample and reagent handling</li> <li>- Advanced measurement methods</li> <li>- Smart software with LIS/HIS connectivity</li> <li>- Safe and easy to maintain</li> </ul>
264	HbA1C machine	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- High capacity, with a maximum speed of 15,000 rpm</li> <li>- Quiet operation with high durability</li> <li>- Short acceleration time to preset speed and rapid braking</li> <li>- Brushless motor, equipped with safety alerts; lid includes automatic locking function</li> <li>- Easy to maintain and safe to operate</li> </ul>
265	Multi-function centrifuge	Korea	3	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> </ul>

				<ul style="list-style-type: none"> <li>- Operating environment: Suitable for Vietnam's climate</li> <li>II. Configurations</li> <li>- Integrated automatic extraction system and automated reagent/sample mixing system</li> <li>- Precise and uniform temperature control, with rapid thermal cycling transitions between protocol steps</li> <li>- Automated quality control monitoring</li> <li>- User-friendly interface</li> <li>- Smart software with LIS/HIS connectivity</li> <li>- Safe and easy to maintain</li> </ul>
266	PCR system	Korea	1	<ul style="list-style-type: none"> <li>I. General requirements</li> <li>100% Brand New</li> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> <li>II. Configurations</li> <li>- Complies with Class II biological safety cabinet standards</li> <li>- Ensures safety for the user, the product, and the environment against hazardous biological agents</li> <li>- Meets international standards such as NSF/ANSI 49, EN 12469, or equivalent</li> <li>- The work surface and interior must be made of corrosion-resistant materials, easy to clean and disinfect</li> </ul>
267	Toxic gas and vapor flow hood	Korea	1	<ul style="list-style-type: none"> <li>I. General requirements</li> <li>100% Brand New</li> <li>- Year of manufacture: From 2024 onward</li> <li>- Manufacturers must comply with ISO 13485 and EC standards</li> <li>II. Configurations</li> <li>- Main unit: 01 unit, including: Standard 8-channel EMG cable set with full accessories, Patient management and data recording software (pre-installed on the computer): 01 set</li> <li>- Software for signal display, installed on each personal computer (pre-installed): 01 set</li> <li>- Software for EMG recording and review (pre-installed): 01 set</li> <li>- Computer with printer: 01 set</li> <li>- Dedicated equipment cart: 01 unit</li> </ul>
268	Electromyography	Third country	1	<ul style="list-style-type: none"> <li>I. General requirements</li> <li>100% Brand New</li> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> <li>II. Configurations</li> <li>- Main unit: 01 unit</li> <li>- Standard included accessories</li> <li>- ECG cable: 01 set</li> <li>- Power cable: 01 unit</li> </ul>

				<ul style="list-style-type: none"> <li>- Suction chest electrodes with rubber bulbs: 06 units</li> <li>- Limb clamp electrodes: 04 units</li> <li>- Print paper: 01 roll</li> <li>- Thermal pen: 01 unit</li> <li>- Rechargeable battery: 01 unit</li> <li>- 12-lead ECG machine with an 8-inch display</li> <li>- Integrated software for ECG result analysis</li> <li>- Includes 1 LAN port for PC connection and 2 USB ports</li> <li>- Optional: 18-lead acquisition capability</li> <li>- Supports ECG file export in DICOM format</li> <li>- Compatible with patient data management systems for synchronized data sharing</li> </ul>
269	Electrocardiograph (12 channels with analysis software)	Korea	2	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Primary function: Measures respiratory function and assesses the degree of bronchial obstruction</li> <li>- Display: Large color touchscreen, easy to operate</li> <li>- Flow sensors: 4 sensors to ensure high measurement accuracy</li> <li>- Nose clip: Helps control airflow during testing</li> <li>- Thermal paper roll supports fast result printing</li> </ul>
270	Respiratory function apparatus	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Main function: Measures respiratory function and assesses the degree of bronchial obstruction</li> <li>- Display: Large color touchscreen, user-friendly operation</li> <li>- Flow sensors: 4 sensors ensuring high measurement accuracy</li> <li>- Nose clip: Helps control airflow during testing</li> <li>- Thermal paper roll supports fast result printing</li> </ul>
271	Whole-Body Plethysmograph	Third country	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Main function: Measures respiratory function and assesses the degree of bronchial obstruction</li> <li>- Display: Large color touchscreen, user-friendly operation</li> <li>- Flow sensors: 4 sensors ensuring high measurement</li> </ul>

				<p>accuracy</p> <ul style="list-style-type: none"> <li>- Nose clip: Helps control airflow during testing</li> <li>- Thermal paper roll supports fast result printing</li> </ul>
272	Whole-Body Plethysmograph	Third country	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Main unit: 01 unit</li> <li>- Standard accessories included</li> <li>- ECG cable: 01 set</li> <li>- Power cable: 01 unit</li> <li>- Suction chest electrodes with rubber bulbs: 06 units</li> <li>- Limb clamp electrodes: 04 units</li> <li>- ECG recording paper: 01 roll</li> <li>- Thermal head cleaning pen: 01 unit</li> <li>- Rechargeable battery: 01 unit</li> <li>- 12-lead ECG machine with an 8-inch display</li> <li>- Integrated software for ECG result analysis</li> <li>- Includes 1 LAN port for PC connection and 2 USB ports</li> <li>- Optional: 18-lead acquisition capability</li> <li>- Supports ECG file export in DICOM format</li> <li>- Compatible with patient data management systems for synchronized data sharing</li> </ul>
273	Electrocardiograph	Third country	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Display: Color touchscreen for clear and sharp result visualization</li> <li>- Measurement frequency: Operates at 30 kHz with a current intensity of 1 mA, allowing clear representation of cerebral blood flow waveforms</li> <li>- Probes: Compatible with multiple probe types at frequencies of 4, 5, 8, 10, and 20 MHz for accurate blood flow velocity measurements</li> <li>- Memory: Stores waveform data; supports data export in PDF and DICOM formats via USB</li> </ul>
274	Encephalo circulation unit	Third country	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 200V – 240V; 50Hz</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <p>1. Main System Includes:</p> <ul style="list-style-type: none"> <li>- Scanning table</li> <li>- X-ray tube</li> </ul>

				<ul style="list-style-type: none"> <li>- Signal receiver</li> <li>- Phantom calibration kit</li> <li>- Leg cushion and positioning tools for accurate patient alignment</li> </ul> <p>2. Software &amp; System Capabilities:</p> <ul style="list-style-type: none"> <li>- Lumbar spine bone density measurement</li> <li>- Femoral neck/dual femur bone density measurement</li> <li>- Forearm bone density measurement</li> </ul> <p>DICOM standard connectivity</p> <p>3. Computer with installed software: 01 set</p> <p>4. Color printer for result output: 01 unit</p> <p>5. Online UPS for the main system, 3kVA: 01 unit</p> <p>6. User manual: 01 set</p>
275	Bone mineral densitomete	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Main unit and standard accessories: Includes control unit and sensors</li> <li>- Femoral artery catheter: Used to measure arterial pressure and includes a temperature sensor</li> <li>- Arterial blood pressure sensor: Enables continuous blood pressure monitoring</li> <li>- Central venous oxygen saturation sensor: Assists in assessing blood oxygenation status</li> <li>- PiCCO measurement method: Utilizes Pulse Contour Cardiac Output technology, combining thermal dilution across the lungs to calculate cardiac output</li> </ul>
276	Cardiac output apparatus	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Color LCD screen: Clearly displays results</li> <li>- Digital ECG signal acquisition cable: Ensures accurate signal reception</li> <li>- Thermal printer: Immediately prints ECG results directly from the device</li> <li>- Treadmill or exercise bicycle: Assists in evaluating cardiac function during physical activity</li> <li>- Blood pressure monitoring device: Allows for blood pressure tracking during the test</li> <li>- ECG analysis software: Automatically interprets results and supports clinical diagnosis</li> <li>- Computer system: Included for result review and management</li> </ul>
277	Stress Test ECG Machine	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> </ul>

				<ul style="list-style-type: none"> <li>- Power supply: 220V or 380V</li> <li>II. Configurations</li> <li>- Electrode system: Includes multiple electrodes attached to the scalp to collect brainwave signals</li> <li>- Signal amplifier: Enhances EEG signals for accurate analysis</li> <li>- Display screen: LCD or LED screen showing real-time EEG waveforms</li> <li>- Analysis software: Supports data processing and detection of abnormalities in brain activity, with computer connectivity</li> </ul>
278	Echo-encephalographic	Korea	1	<ul style="list-style-type: none"> <li>I. General requirements</li> <li>100% Brand New</li> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> <li>II. Configurations</li> <li>- Main function: Measures respiratory function and assesses the degree of bronchial obstruction</li> <li>- Display: Large color touchscreen, easy to operate</li> <li>- Flow sensors: 4 sensors ensuring high measurement accuracy</li> <li>- Nose clip: Helps control airflow during the test</li> <li>- Thermal printing paper: Supports quick result output</li> </ul>
279	Spirometer	Korea	1	
280	Electrocardiography for stress testing	Korea	1	<ul style="list-style-type: none"> <li>I. General requirements</li> <li>100% Brand New</li> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> <li>II. Configurations</li> <li>- Main unit</li> <li>- Multi-parameter monitoring module with standard accessories</li> <li>- ECG cable and electrodes: 01 set</li> <li>- SpO<sub>2</sub> sensor and accessories: 01 set</li> <li>- Non-invasive blood pressure (NIBP) cuff and tubing: 01 set</li> <li>- Temperature probe and accessories: 01 set</li> <li>- Invasive blood pressure (IBP) cables and accessories: 02 sets</li> <li>- EtCO<sub>2</sub> module with standard accessories: 01 set</li> <li>- CO<sub>2</sub> concentration monitoring cable and accessories: 01 set</li> <li>- Pulse rate (PR) monitoring cable and accessories: 01 set</li> </ul>
281	Patient Monitor	Korea	5	<ul style="list-style-type: none"> <li>I. General requirements</li> <li>100% Brand New</li> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul>

				<p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Bed frame: Typically made of stainless steel or aluminum alloy for durability and ease of cleaning</li> <li>- Bed surface: Can be made of steel mesh or ABS plastic panels, providing ventilation and easy cleaning</li> <li>- Wheels: Designed for smooth mobility and equipped with locks for secure positioning</li> <li>- Side rails: Located on both sides, adjustable for safety and support based on patient needs</li> <li>- Lifting system: Electrically controlled to raise and lower various sections, helping patients adjust position comfortably</li> <li>- IV pole: Included for infusion support</li> </ul>
282	Patient bed	Korea	15	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Main unit: 01 unit</li> <li>- Standard accessories included</li> <li>- ECG cable: 01 set</li> <li>- Power cable: 01 unit</li> <li>- Suction chest electrodes with rubber bulbs: 06 units</li> <li>- Limb clamp electrodes: 04 units</li> <li>- ECG recording paper: 01 roll</li> <li>- Thermal head cleaning pen: 01 unit</li> <li>- Rechargeable battery: 01 unit</li> <li>- 12-lead ECG machine with an 8-inch display</li> <li>- Integrated software for ECG result analysis</li> <li>- Includes 1 LAN port for PC connection and 2 USB ports</li> <li>- Optional: 18-lead acquisition capability</li> <li>- Supports ECG file export in DICOM format</li> <li>- Compatible with patient data management systems for synchronized data sharing</li> </ul>
283	Electrocardiograph	Korea	2	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Capacity: 300 liters or more</li> <li>- Adjustable sterilization time</li> <li>- Overheat alarm system</li> <li>- Adjustable top air exhaust vent with airflow control</li> <li>- Rapid heating with forced convection air circulation for fast sterilization</li> <li>- High-precision microprocessor temperature control; inner chamber made of stainless steel</li> <li>- Forced air circulation fan enhances heating speed and ensures uniform temperature distribution</li> </ul>

284	Electric oven 300°C	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Infusion rate options: Supports multiple modes including continuous infusion, rapid infusion (Bolus), and intermittent infusion. Adjustable infusion rate ranges from 0.1 ml/h to 1500 ml/h (depending on model and syringe size)</li> <li>- High accuracy</li> <li>- Syringe compatibility: Compatible with syringe sizes of 5 ml, 10 ml, 20 ml, 50/60 ml and supports many standard syringe brands from various manufacturers</li> <li>- Alarm and safety features: Audible and visual alarms for occlusion, near-empty syringe, end of infusion, pressure issues, and low battery. Alerts are indicated via lights, icons, or sound</li> <li>- Clear and easy-to-read display: Shows detailed information including infusion rate, volume infused, remaining time, and syringe status</li> <li>- Power supply: Operates on both AC and backup battery</li> <li>- Secure syringe attachment: Ensures consistent and stable delivery during infusion</li> <li>- Safe and hygienic materials: Made from biocompatible, medical-grade materials</li> </ul>
285	Electric syringe pump	Korea	2	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Color LCD screen: Clearly displays results</li> <li>- Digital ECG signal acquisition cable: Ensures accurate signal reception</li> <li>- Thermal printer: Immediately prints ECG results directly from the device</li> <li>- Treadmill or exercise bicycle: Assists in evaluating cardiac function during physical activity</li> <li>- Blood pressure monitoring device: Allows for blood pressure tracking during the test</li> <li>- ECG analysis software: Automatically interprets results and supports clinical diagnosis</li> <li>- Computer system: Included for result review and management</li> </ul>
286	Electrocardiography for stress testing	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's</li> </ul>

				<p>climate</p> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Infusion rate range: Suitable for both rapid IV infusion and slow drip for neonates; adjustable from 0.1 to 1200 ml/h (depending on model)</li> <li>- Volume setting: Allows setting total infusion volume per treatment session</li> <li>- Ensures accurate infusion rates</li> <li>- Operation modes: Continuous infusion, bolus (rapid dose), and low-rate maintenance (~1 ml/h)</li> <li>- Alarm system: Alerts for occlusion, end of infusion, low battery, etc</li> <li>- Display: Clear and easy-to-read screen showing infusion rate, volume infused, remaining time, and status</li> <li>- Tube compatibility: Compatible with standard medical-grade IV tubing</li> <li>- Tubing fixation: Tubing is secured using a clamp or dedicated holder</li> <li>- Audible and visual alarms: Notification via light or icon and sound</li> <li>- Power supply: Operates on AC power and includes a backup battery</li> </ul>
287	Infusion pump	Korea	2	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Color Doppler ultrasound machine (cart-based): 01 unit</li> <li>- Convex probe: 01 unit</li> <li>- Linear probe: 01 unit</li> <li>- Adult sector probe: 01 unit</li> <li>- Software: Fully equipped with advanced applications compatible with all included probes</li> <li>- Specialized cardiac ultrasound capabilities with multi-functional features</li> </ul> <p>Accessories Included:</p> <ul style="list-style-type: none"> <li>- Computer with ultrasound result reporting software: 01 set</li> <li>- Color printer: 01 unit</li> <li>- UPS 2 KVA: 01 unit</li> <li>- Black &amp; white thermal printer: 01 unit</li> <li>- User manual in English and Vietnamese: 01 set</li> </ul>
288	Stress ultrasound system	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Capable of destroying various common types of</li> </ul>

				<p>needles, from small insulin needles to large-sized syringes</p> <ul style="list-style-type: none"> <li>- Fast destruction time</li> <li>- Ensures safety and hygiene</li> <li>- Simple to operate, with clear user instructions provided</li> </ul>
289	Syringe annul apparatus	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Upright cabinet with one lockable door; capacity: 250 liters</li> <li>- High cooling performance, capable of reaching desired temperatures</li> <li>- Even temperature distribution inside the chamber with minimal fluctuation; fast recovery after door openings</li> <li>- Interior and exterior typically made of stainless steel or powder-coated steel, durable, easy to clean, corrosion-resistant, equipped with casters for mobility</li> </ul>
290	Deep-refrigerator – 300C	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Upright refrigerator with 2 doors, capacity of 800 liters or more</li> <li>- Stable and uniform temperature range: 0–10°C</li> <li>- Equipped with wheels for mobility, anti-fog glass doors, and a safety lock</li> </ul>
291	Refrigerator for blood keeping	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Volume range: 0.5–1000 µL</li> <li>- High accuracy</li> <li>- Smooth volume adjustment</li> </ul>
292	Pipette man, different type	Third country	2	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Capacity: 160 liters or more</li> <li>- Temperature range: Ambient +5°C to 60°C</li> <li>- Microprocessor controller</li> </ul>

				<ul style="list-style-type: none"> <li>- Temperature fluctuation: <math>\leq \pm 0.2^{\circ}\text{C}</math></li> <li>- Temperature uniformity: <math>\leq \pm 0.3^{\circ}\text{C}</math></li> <li>- Timer setting: Up to 999 hours or continuous operation</li> <li>- Shelves: At least 2 adjustable shelves</li> <li>- Alarm system: Visual and audible alarms for over-temperature and CO<sub>2</sub> concentration alerts</li> <li>- CO<sub>2</sub> concentration control: 0–20%</li> <li>- Equipped with UV sterilization</li> <li>- Double-layer door: inner and outer layers</li> <li>- Chamber materials: Interior: Stainless steel; Exterior: Powder-coated cold-rolled steel</li> </ul>
293	CO2 incubator	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- High accuracy with good repeatability</li> <li>- Smooth volume adjustment</li> <li>- Compatible with various universal cone-type tips</li> <li>- Easy to clean</li> </ul>
294	Auto-Pipette (P10, P20, P100, P1000) ml	Third country	2	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Versatile and user-friendly optical system with magnification levels of 10x, 40x, and 100x (oil immersion objective)</li> <li>- Adjustable illumination system to suit different magnifications and sample types</li> <li>- Materials: Durable, corrosion-resistant, easy to clean</li> <li>- Design: Ergonomic structure and layout</li> </ul>
295	Binocular microscope	Third country	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Versatile optical system with convenient use; magnification levels: 10x, 40x, 100x (oil immersion objective)</li> <li>- Illumination system with adjustable light intensity to suit magnification levels and sample types</li> <li>- Materials: Durable, corrosion-resistant, and easy to clean</li> <li>- Design: Ergonomic layout and structure</li> </ul>
296	Fluorescent binocular microscope	Third country	1	<p>I. General requirements 100% Brand New</p>

				<ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Capable of measuring within a wide pH range, typically from 0.00 to 14.00 pH</li> <li>- High accuracy: <math>\pm 0.01</math> pH / <math>\pm 0.002</math> pH</li> <li>- Resolution: 0.01 pH / 0.001 pH</li> <li>- Connectivity: Compatible with computer and printer</li> <li>- User-friendly interface</li> <li>- Safe and easy to maintain</li> </ul>
297	pH meter	Third country	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- The chamber must be capable of removing oxygen almost completely (typically down to <math>&lt;0.1\%</math> or even <math>0.001\%</math> O<sub>2</sub>)</li> <li>- Effective control of CO<sub>2</sub>, temperature, and humidity</li> <li>- Spacious glass working chamber allows for sample handling without affecting the internal gas environment</li> <li>- Constructed from stainless steel, ensuring safety during use</li> <li>- User interface, safety system, and intelligent monitoring system are included</li> </ul>
298	Anaerobic bacterium culture cabinet	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Capable of detecting the smallest changes in mass</li> <li>- Good repeatability; linear error within acceptable limits</li> <li>- Equipped with windshield enclosure; balance made of stainless steel, durable, chemical-resistant, and easy to clean</li> </ul>
299	Analytical balance 0.1 mg	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Uses saturated steam under high pressure for sterilization</li> <li>- Capable of reaching standard sterilization temperatures of 121°C and/or 134°C</li> <li>- Achieves the required pressure to maintain sterilization temperatures</li> <li>- Equipped with an intelligent and user-friendly control and monitoring system</li> </ul>

				<ul style="list-style-type: none"> <li>- Constructed from stainless steel, with a durable and safe structure</li> <li>- Easy to maintain and replace parts</li> </ul>
300	Autoclave, capacity: 50 – 70L	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Must meet Class II Biological Safety Cabinet standards</li> <li>- Ensures safety for users, products, and the environment against hazardous biological agents</li> <li>- Complies with international standards such as NSF/ANSI 49, EN 12469, or equivalent</li> <li>- Work surface and interior must be made from corrosion-resistant materials, easy to clean and sterilize</li> </ul>
301	Bacterium culture cabinet	Korea	1	<ul style="list-style-type: none"> <li>- Hygienic, durable, and easy to clean and disinfect</li> </ul>
302	Clean box	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Capacity: 250 liters or more</li> <li>- Adjustable sterilization time</li> <li>- Overheat protection alarm</li> <li>- Adjustable top air exhaust vent with controllable airflow</li> <li>- Fast heating, forced convection air circulation, rapid sterilization</li> <li>- Precise temperature control; inner chamber made of stainless steel</li> <li>- Forced air convection ensures rapid temperature distribution and uniformity</li> </ul>
303	Electric oven 2500C, high capacity	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Capacity: 250 liters or more</li> <li>- Adjustable sterilization time</li> <li>- Overheat alarm system</li> <li>- Adjustable top exhaust vent to control airflow</li> </ul> <p>Rapid heating and forced convection air circulation for fast sterilization</p> <ul style="list-style-type: none"> <li>- High-precision microprocessor temperature control; inner chamber made of stainless steel</li> <li>- Forced-air circulation fan enhances heating speed and</li> </ul>

				ensures uniform temperature distribution
304	Electric oven 2500C, low capacity	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Capable of flexible speed adjustment</li> <li>- Generates strong vortex motion for efficient mixing of liquid samples</li> <li>- Multiple shaking modes, equipped with brushless motor</li> <li>- Sturdy construction ensures durability and operational safety</li> </ul>
305	Electric shaker	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Temperature range: +4°C to 37°C</li> <li>- Capacity: 200 liters</li> <li>- Meets required standards for temperature stability and uniformity</li> <li>- Constructed from stainless steel, ensuring safe usage</li> <li>- Equipped with a user interface, safety system, and intelligent monitoring system</li> </ul>
306	Freezer incubator 40C - 370C	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Temperature range: +4°C to 37°C</li> <li>- Capacity: 200 liters</li> <li>- Meets requirements for temperature stability and uniformity</li> <li>- Constructed from stainless steel, ensuring safe operation</li> <li>- Equipped with user interface, safety features, and intelligent monitoring system</li> </ul>
307	Incubator 370C - 560C	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Capable of stirring solutions with a maximum volume of 10 liters</li> <li>- Magnetic field strength sufficient to stir solutions with medium to high viscosity</li> <li>- Continuous stirring capability, with reversible rotation</li> </ul>

				function - User-friendly and intelligent control interface - Constructed from stainless steel, easy to clean - Safe and easy to operate and maintain
308	Magnetic stirrer	Korea	1	I. General requirements 100% Brand New - Year of manufacture: From 2024 onward - Power supply: 220V or 380V - Operating environment: Suitable for Vietnam's climate II. Configurations - High capacity, with a maximum speed of 15,000 rpm - Quiet operation with high durability - Short acceleration time to preset speed and rapid braking - Brushless motor, equipped with safety alerts; lid includes automatic locking function - Easy to maintain and safe to operate
309	Multi-function centrifuge	Korea	1	I. General requirements 100% Brand New - Year of manufacture: From 2024 onward - Power supply: 220V or 380V - Operating environment: Suitable for Vietnam's climate II. Configurations - Capable of destroying various common types of needles, from small insulin needles to large-sized syringes - Fast destruction time - Ensures safety and hygiene - Simple to operate, with clear user instructions provided
310	Syringe annul apparatus	Korea	1	I. General requirements 100% Brand New - Year of manufacture: From 2024 onward - Power supply: 220V or 380V - Operating environment: Suitable for Vietnam's climate II. Configurations - Complies with Class II biological safety cabinet standards - Ensures safety for the user, the product, and the environment against hazardous biological agents - Meets international standards such as NSF/ANSI 49, EN 12469, or equivalent - The work surface and interior must be made of corrosion-resistant materials, easy to clean and disinfect
311	Technical balance 0.1 gr	Korea	1	I. General requirements 100% Brand New - Year of manufacture: From 2024 onward - Power supply: 220V - Operating environment: Suitable for Vietnam's climate

				<p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Must achieve the minimum required speed for effective separation of urine components</li> <li>- Capable of precise speed adjustment</li> <li>- Compatible with standard urine centrifuge tubes</li> <li>- Allows centrifugation time setting and displays remaining time</li> <li>- Operates quietly and durably, features a brushless motor, and automatic lid lock for safety</li> </ul>
312	Toxic gas and vapor flow hood	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Ensures operational performance</li> <li>- Final water product must have conductivity &lt; 1 <math>\mu</math>S/cm or lower, meeting standards for: pH, Total dissolved solids (TDS), Heavy metal ion content, Microbial levels</li> <li>- Automatic control system</li> <li>- Water supply and drainage system with adequate pressure and easy cleaning</li> <li>- Equipped with: Output water quality sensor, Integrated water supply pump, Distilled water tank</li> </ul>
313	Urine centrifuge	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- BIEMER-MUELLER APPROXIMATOR STR9MM (microvascular approximator clamp for double-vessel approximation or Acland twin clamp): 01 unit</li> <li>- Bulldog/Acland vascular clamp, 5mm tip: 01 unit</li> <li>- MICRO THUMB FORCEPS 115MM (straight micro forceps: dilator and jeweler types): 02 units</li> <li>- MICRO FORCEPS CVD 115MM (curved micro forceps): 02 units</li> <li>- REILL MICRO NEEDLE HOLDER STR150MM: 02 units</li> <li>- MICRO-SCISSORS RND-HDL STR s/sl 145MM (microsurgical scissors): 01 unit</li> <li>- Surgical magnifying loupe X 2.5: 01 unit</li> <li>- Silicone hand, malleable, black with fixation rings (used for hand stabilization in microsurgery): 01 unit</li> <li>- SENN retractor, double-end, 3 sharp prongs, 7×8.5 mm, 16 cm: 02 units</li> <li>- Bone hook, 1 tooth, sharp, 245 mm, 92/3": 01 unit</li> </ul>
314	Water distilled apparatus 20L/h	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Operating environment: Suitable for Vietnam's</li> </ul>

			<p>climate</p> <p>II. Configurations</p> <p>Scalpel handle No.11: 1 unit</p> <p>Scalpel handle No.20: 1 unit</p> <p>Forceps 16 cm: 2 units</p> <p>Non-toothed forceps: 1 unit</p> <p>Metzenbaum scissors, curved, 16 cm: 1 unit</p> <p>Mayo scissors, curved, 16 cm: 1 unit</p> <p>Straight suture scissors, 16 cm: 1 unit</p> <p>Curved suture scissors, 16 cm: 1 unit</p> <p>Kelly forceps, curved, 14 cm: 6 units</p> <p>Kelly forceps, straight, 14 cm: 2 units</p> <p>Fixchamp Bone Reduction Forceps, curved with stepped point, 135 mm: 6 units</p> <p>Kocher forceps, 14 cm: 4 units</p> <p>Tendon Grasping Forceps (Allis, ENGLERT), 4x5 atraumatic teeth, 145 mm (5¾"): 2 units</p> <p>Needle holders: 2 units</p> <p>Bone elevator: LANGENBECK, 16 mm: 1 unit</p> <p>Double-ended bone curette: VOLKMANN, 220 mm (8⅔"), 4–6 mm: 1 unit</p> <p>Orthopedic mallet: BERGMANN, Ø 30 mm, 450 g: 1 unit</p> <p>Gouge (concave): WALTER, 200 mm (8"), 10 mm: 1 unit</p> <p>Curved osteotome: HOKE, 140 mm (5½"), 10 mm: 1 unit</p> <p>Straight osteotome: LAMBOTTE, 240 mm (9½"), 10 mm: 2 units</p> <p>Straight osteotome, fine model: STILLE, 200 mm (8"), 10 mm: 1 unit</p> <p>Bone rongeur: PENNYBACKER, 4 mm: 1 unit</p> <p>Bone lever (retractor), Hofmann style: LANGE BABY, 17 mm wide, 170 mm (6⅔"): 1 unit</p> <p>Army-Navy / Farabeuf retractors, 15 cm: 2 units</p> <p>Suction tube, 5 mm: 1 unit</p> <p>Kern bone holding forceps with ratchet: 2 units</p> <p>Kern bone holding forceps without ratchet: 2 units</p> <p>Bone holding forceps (Fixchamp AO), 200 mm: 1 unit</p> <p>Plate holding forceps: ULRICH, laterally angled, 250 mm: 2 units</p> <p>Bone cutting forceps with spring, 150 mm (6"): 1 unit</p> <p>LOWMAN bone clamp, 2-prong, 185 mm (7¼"): 2 units</p> <p>LOWMAN bone clamp, 1x1 prong, 185 mm (7¼"): 1 unit</p> <p>Percutaneous bone hook: LANDOLT raspatory, 4.5 mm: 2 units</p> <p>Medium-sized bone hook, 1 tooth, sharp, 230 mm (9"): 1 unit</p> <p>Bone tamp, rectangular tip, synthetic handle, 350 mm (14"), 15 × 10 mm: 1 unit</p> <p>Bone tamp, round tip, synthetic handle, 200 mm (8"), 5 mm: 1 unit</p>
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				<p>TC multi-purpose wire plier, 190 mm: 1 unit  TC wire suture cutter, angled, 170 mm: 1 unit  TC K-wire cutter with exchangeable blades, rubber jaw, up to Ø 3.0 mm, 230 mm: 1 unit  Wire threader, synthetic handle, 210 mm (8¼"), size 1: 1 unit  Hex screwdriver (Tournervis), for 2.7 / 3.5 / 4.0 mm screws: 1 unit  Hex screwdriver (Tournervis), for 4.5 mm screws: 1 unit  Depth gauge, 200 mm (8"), for 70 mm screws: 1 unit  Sterilizing forceps: 2 units  Kidney dish: 1 unit  Small rubber bowl: 1 unit</p>
315	Microsurgery operating instrument set	Third country	1	<p>I. General requirements  100% Brand New  - Year of manufacture: From 2024 onward  - Operating environment: Suitable for Vietnam's climate</p> <p>II. Configurations</p> <p><b>Scalpels and Forceps:</b></p> <ul style="list-style-type: none"> <li>• Scalpel handle No.11: 1 unit</li> <li>• Scalpel handle No.20: 1 unit</li> <li>• Short toothed forceps, 18 cm: 2 units</li> <li>• Long toothed forceps, 25 cm: 1 unit</li> <li>• Non-toothed forceps, 18 cm: 1 unit</li> </ul> <p><b>Scissors:</b></p> <ul style="list-style-type: none"> <li>• Metzenbaum scissors, curved, 20 cm: 1 unit</li> <li>• Mayo scissors, curved, 18 cm: 1 unit</li> <li>• Straight suture scissors, 16 cm: 1 unit</li> <li>• Curved suture scissors, 18 cm: 1 unit</li> </ul> <p><b>Hemostats and Clamps:</b></p> <ul style="list-style-type: none"> <li>• Kelly forceps, curved, 16 cm: 6 units</li> <li>• Kelly forceps, straight, 16 cm: 2 units</li> <li>• Bone reduction forceps, curved, stepped point (Fixchamp), 170 mm: 6 units</li> <li>• Kocher forceps, 16 cm: 4 units</li> <li>• Needle holders: 2 units</li> </ul> <p><b>Elevators and Curettes:</b></p> <ul style="list-style-type: none"> <li>• Bone elevator: LANGENBECK Raspatory, 16 mm, hollow handle: 1 unit</li> <li>• Bone curette: VOLKMANN Double Curette, 220 mm (8⅔"), 5.0/7.0 mm: 1 unit</li> </ul> <p><b>Mallets and Osteotomes:</b></p> <ul style="list-style-type: none"> <li>• Orthopedic mallet: OMBREDANNE, Ø 40 mm, 520 g: 1 unit</li> <li>• Gouge: SMITH-PETERSEN, straight, 200 mm (8"), 13 mm: 1 unit</li> <li>• Curved osteotome: SMITH-PETERSEN, 200 mm (8"), 13 mm: 1 unit</li> <li>• Straight osteotome: LAMBOTTE, 240 mm (9½"), 12 mm: 2 units</li> <li>• Straight osteotome: SMITH-PETERSEN, 200 mm (8"), 13 mm: 1 unit</li> </ul>

				<p><b>Bone Rongeurs:</b></p> <ul style="list-style-type: none"> <li>• Bone rongeur: PENNYBACKER, 4 mm, 200 mm: 1 unit</li> <li>• Power-assisted bone rongeur: RUSKIN, 5 mm, 180 mm (7"), straight: 1 unit</li> </ul> <p><b>Retractors:</b></p> <ul style="list-style-type: none"> <li>• HOHMANN Bone Lever, 17 mm, sharp, 240 mm (9½"): 2 units</li> <li>• HOHMANN Bone Lever, 25 mm wide, 13 mm tip, 270 mm (10⅔"): 2 units</li> <li>• Wide HOHMANN Bone Lever, 43 mm, 235 mm (9¼"): 2 units</li> <li>• Curved HOHMANN Bone Lever, 120°, 22 mm, 400 mm (16"): 2 units</li> <li>• BENNETT Bone Lever, 45 mm, 240 mm (9½"): 2 units</li> <li>• Army-Navy/Farabeuf Retractor (knee): 38 × 9 mm, 210 mm (8¼"): 2 units</li> </ul> <p><b>Suction and Bone Holding Instruments:</b></p> <ul style="list-style-type: none"> <li>• Suction tube, 5 mm: 1 unit</li> <li>• Bone holding forceps (FARABEUF LAMBOTTE), with ratchet, 260 mm: 2 units</li> <li>• Bone holding forceps (FARABEUF LAMBOTTE), without ratchet: 2 units</li> <li>• Bone holding forceps (LANE), with ratchet, 450 mm: 2 units</li> <li>• Bone holding forceps (LANE), without ratchet, 450 mm: 2 units</li> <li>• Bone holding forceps (Fixchamp AO), 200 mm: 1 unit</li> <li>• Plate holding forceps (VERBRUGGE), 270 mm: 2 units</li> </ul> <p><b>Cutting and Holding Tools:</b></p> <ul style="list-style-type: none"> <li>• Bone cutting forceps (RUSKIN LISTO), 185 mm (7¼"): 1 unit</li> <li>• LOWMAN Bone Clamp, 2-prong, 220 mm (8⅔"): 2 units</li> <li>• Bone hook (sharp), 1 tooth, 245 mm (9⅔"): 1 unit</li> </ul> <p><b>Percutaneous Instruments and Tampers:</b></p> <ul style="list-style-type: none"> <li>• Bone elevator (percutaneous): LANGENBECK, 6.5 mm, 210 mm (8¼"): 2 units</li> <li>• Bone tamper, rectangular tip, synthetic handle, 350 mm (14"), 19 × 14 mm: 1 unit</li> <li>• Bone tamper, round tip, synthetic handle, 200 mm (8"), 8 mm: 1 unit</li> </ul> <p><b>Wire and Screw Handling Instruments:</b></p> <ul style="list-style-type: none"> <li>• TC Multi-Purpose Plier, 190 mm: 1 unit</li> <li>• UNIVERSAL Locking Plier, small, 7 mm, 180 mm (7"), 25 mm jaw spread: 1 unit</li> <li>• TC Wire Cutter, angled, 170 mm: 1 unit</li> <li>• TC K-wire Cutter, with replaceable blades &amp; rubber jaws, up to Ø 3.0 mm, 230 mm: 1 unit</li> </ul>
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				<ul style="list-style-type: none"> <li>• Heavy-duty pin cutter with detachable handles, 575 mm (22½"): 1 unit</li> <li>• Wire guide, synthetic handle, 210 mm (8¼"), size 2: 1 unit</li> </ul> <p><b>Screwdrivers and Depth Gauge:</b></p> <ul style="list-style-type: none"> <li>• Hex screwdriver, synthetic handle, for 2.7 / 3.5 / 4.0 mm screws: 1 unit</li> <li>• Hex screwdriver, synthetic handle, for 4.5 mm screws: 1 unit</li> <li>• Depth gauge, 280 mm (11"), for 120 mm screw: 1 unit</li> </ul> <p><b>Others:</b></p> <ul style="list-style-type: none"> <li>• Sterilizing forceps: 2 units</li> <li>• Kidney dish: 1 unit</li> </ul> <p>Small rubber bowl: 1 unit</p>
316	Arm Operating Surgical Instruments set	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations Multifunctional hydraulic operating table, designed to accommodate various surgical specialties including urology, neurology, orthopedics, cardiology, with compatibility for C-Arm imaging. The leg section is separable on both sides and removable. The table allows for directional rotation, tabletop sliding, Trendelenburg/reverse Trendelenburg positioning, and height adjustment. Operated via handheld controller</p>
317	Lower Limb Surgical Instrument Set	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations Output power: ≥105W Speed (RPM): 0–1000 Torque (Nm): 3.3 Operating voltage: 14.4V Sterilization temperature: ≤135°C Noise level: ≤40 dB Standard Configuration 1 handpiece 2 batteries 1 charger 1 drill bit 1 sterilizable battery transfer ring Entire device is autoclavable</p>
318	Orthopedic operating table	Korea	1	<p>I. General requirements 100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Operating environment: Suitable for Vietnam's</li> </ul>

				<p>climate</p> <p>II. Configurations</p> <p>The set must include all necessary instruments for spinal surgery, such as:</p> <p>Tissue retractors</p> <p>Bone cutting and bone curettage instruments</p> <p>Drilling and screw insertion instruments</p> <p>Bone rongeurs</p> <p>Neurosurgical instruments</p> <p>Hemostatic instruments</p> <p>Supportive accessories</p>
319	Bone drilling using in orthopedic surgery and spine surgery	Third country	3	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of manufacture: From 2024 onward</li> <li>- Power supply: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <p>Microscope head: 01 set</p> <p>Microscope stand/base: 01 set</p> <p>X-Y movement control system: 01 set</p> <p>Binocular tube for the main surgeon: 01 set</p> <p>Mounting bracket for assistant's eyepiece: 01 set</p> <p>Binocular tube for assistant surgeon: 01 set</p>
320	Spine operating instrument set	Korea	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of Manufacture: From 2024 onward</li> <li>- Power Supply: 198-260V (VAC - 50/60Hz)</li> <li>- Operating Environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Control footswitch pedal: 01 unit</li> <li>- Bipolar forceps: 01 unit</li> <li>- Neutral electrode plates: 10 pieces</li> <li>- Cable for neutral electrode plate: 01 unit</li> <li>- Monopolar handpiece: 01 unit</li> <li>- Dedicated trolley: 01 unit</li> <li>- Includes high-frequency generator and LEEP loop set</li> <li>- User manual: 01 set</li> </ul>
321	Surgical Microscopes	Third country	1	<p>I. General requirements</p> <p>100% Brand New</p> <ul style="list-style-type: none"> <li>- Year of Manufacture: From 2024 onward, brand new</li> <li>- Power Supply: 220V or 380V</li> <li>- Operating Environment: Suitable for Vietnam's climate</li> </ul> <p>II. Configurations</p> <ul style="list-style-type: none"> <li>- Main unit: 01 unit</li> <li>- Hose: 01 unit</li> <li>- Negative pressure generator tank: 01 unit</li> <li>- Water pressure control valve bar: 01 unit</li> <li>- 1.4-liter fluid container: 01 unit</li> <li>- Handle: 01 unit</li> <li>- Safety valve set: 01 unit</li> <li>- Power cord: 01 unit</li> </ul>

				<ul style="list-style-type: none"> <li>- Suction tube with nozzle: 01 unit</li> <li>- Connector between container and pressure tank: 01 unit</li> <li>- Water pressure regulating knob: 01 unit</li> <li>- Pressure tank lid: 01 unit</li> <li>- Connector between container and machine: 01 unit</li> <li>- Patient hose: 01 unit</li> <li>- User Manual (Vietnamese + English): 01 set</li> </ul>
322	Head frame for operating	Korea	1	<p><b>General Requirements:</b></p> <ul style="list-style-type: none"> <li>• Brand new, 100%.</li> <li>• <b>Year of Manufacture:</b> 2024 or later.</li> <li>• <b>Frame Type:</b> Head fixation frame or four-point frame, commonly used in neurosurgical procedures.</li> <li>• <b>Material:</b> Typically made of aluminum alloy or stainless steel, ensuring durability and corrosion resistance.</li> <li>• <b>Adjustment System:</b> Capable of multi-directional adjustments including forward, backward, left, right, up, down, and tilt angle.</li> <li>• <b>Fixation Mechanism:</b> Uses specialized skull clamps to securely hold the patient's head without damaging soft tissues.</li> </ul>
323	Therapy ultrasonic apparatus	Korea	1	<p><b>I. General Requirements:</b></p> <ul style="list-style-type: none"> <li>• <b>Year of Manufacture:</b> 2024 or later</li> <li>• <b>Condition:</b> 100% brand new</li> <li>• <b>Operating Environment:</b> Suitable for Vietnam's climate conditions</li> <li>• <b>Power Supply:</b> 220 ±10% VAC, 50Hz</li> </ul> <p><b>II. Configuration:</b></p> <ul style="list-style-type: none"> <li>• Main unit with touchscreen display</li> <li>• Two ultrasound heads (1 large, 1 small)</li> <li>• Power cable</li> </ul> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>○ Intensity: 0.1–3 W/cm<sup>2</sup></li> <li>○ Frequencies: 1 MHz and 3 MHz</li> <li>○ Modes: Pulsed and Continuous</li> <li>• User manual in Vietnamese</li> </ul>
324	Pulsed-continuous microwave therapy apparatus	Korea	2	<p><b>I. General requirements:</b> 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p><b>II. Supplied configuration:</b> Main machine with touch screen, 4 electrodes, power cord.</p> <p>Parameters: maximum intensity 30-40mA, frequency: 3HZ-300HZ, treatment time 1-30 minutes. Vietnamese instruction manual</p>
325	Stretching system of spinal column, neck, chest, back	Korea	1	<p><b>I. General requirements:</b> 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> </ul>

				<ul style="list-style-type: none"> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration: Main machine with touch screen, Main machine holder, Pull cord, Emergency stop device, Neck traction belt, Back traction belt, Chest belt.</p> <p>Electric lifting and lowering spinal traction table includes 3-4 sections (lumbar spine traction in supine, prone positions..., cervical spine traction in supine position)</p> <p>Technical parameters: Treatment type: continuous traction, intermittent traction. Traction force: 0 - 90 kg. Traction time 1 second - 1 hour. Time to hold each step: 1 second - 5 minutes. Treatment time: 1 second - 100 minutes. Safety control for upper traction force: 20 kg. Allows setting the sound of the machine when starting and ending treatment. Vietnamese user manual</p>
326	Short-wave therapy apparatus	Korea	2	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration: Main machine, display screen. Broadcast test light. Electrodes: 02 pieces. Vietnamese user manual. Detailed specifications according to configuration components and accessories: Broadcast frequency 20-30 MHz. Maximum output power: 400W-1100W. Broadcast types: continuous and pulse. Frequency adjustment range: from 15-200Hz. Pulse time: about 400 μs. Time: From 0 to 30 minutes. Automatically turns off when time is up and sounds notification</p>
327	Exerciser bicycle	Korea	2	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration: Touch screen, foot strap, pedal, electromagnetic resistance, display of exercise time, distance, speed, heart rate, .... Vietnamese user manual</p>
328	Neuromuscular stimulator	Third country	1	<p>I. General requirements: 100% new product.</p>

				<ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration: Main machine, power cable, electrode wire (2 wires), adhesive pads (4 pieces). Parameters: pulse frequency 1-100hz, pulse width 100-500 microseconds, pulse duration 0.5-2 seconds. Vietnamese user manual</p>
329	Electro magnetic therapy apparatus	Korea	2	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration: Main machine, power cable. Vietnamese user manual set. Specifications: frequency 1hz-30hz</p>
330	Electro-stimulator	Korea	1	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration: Main machine, power cable, electrode wire (2 wires), adhesive pads (4 pieces). Parameters: pulse frequency 100-200hz, pulse width 100-600 microseconds, pulse duration 0.5-2 seconds. Vietnamese user manual</p>
331	Hydro therapy apparatus	Korea	1	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration: Chi soaking tub, capacity of about 20-60 liters</p>
332	Interferential therapy apparatus	Korea	1	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration: Main machine, power cable, 4 channels (4 poles), Vietnamese user manual. Parameters: frequency 1-250hz, frequency modulation 0-250hz</p>
333	Laser therapy apparatus	Korea	2	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's</li> </ul>

				climate. II. Supplied configuration: Main machine, power cable, capacity 500mW-25W, continuous and intermittent mode. Vietnamese user manual (recommended: 1 high-power machine, 1 low-power machine)
334	Low frequency therapy apparatus	Korea	2	I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: Main machine, power cable, electrode wire (2 wires), adhesive pads (4 pieces). Specifications: frequency 1-200hz. Vietnamese user manual
335	Therma therapy apparatus	Korea	1	I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: Infrared lamp, capacity 100-250W, with timer. Vietnamese user manual
336	Patient bed	Korea	10	I. General requirements: 100% new product. - Year of manufacture: 2024 or later, 100% new - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: Bed frame: Usually made of stainless steel or aluminum alloy, ensuring durability and easy cleaning. Bed surface: Can be steel mesh or ABS plastic sheet, helping to ventilate and easy to clean. Wheels: Helps move flexibly, has locks to fix position. Side rails: Both sides of the bed have safety rails, which can be raised and lowered according to needs.
337	Dental x-ray machine	Korea	1	I. General requirements: Panoramic X-ray machine Year of manufacture: 2024 or later. 100% new. II. Supplied configuration: Main machine for full-jaw imaging: 01 machine Standard accessories included: Patient positioning bar for full-jaw imaging 01 unit Camera with extension cord 01 unit Remote control set to adjust the machine up/down 01 set Filling positioning set, ear pressure bar 01 set LCD screen to control the machine attached to the body of the machine 01 unit Software set that can connect to the PACS system 01 set

338	Parorama photography machine	Korea	1	<p>I. General requirements: Panoramic X-ray machine Year of manufacture: 2024 or later. 100% new.</p> <p>II. Supplied configuration: Main machine for full-jaw imaging: 01 machine Standard accessories included: Patient positioning bar for full-jaw imaging 01 unit Camera with extension cord 01 unit Remote control set to adjust the machine up/down 01 set Filling positioning set, ear pressure bar 01 set LCD screen to control the machine attached to the body of the machine 01 unit Software set that can connect to the PACS system 01 set</p>
339	Dental chair unit	Korea	6	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later, 100% new - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Configuration includes Patient chair: Has a stainless steel frame, high-quality fabric or leather seat cushion, adjustable backrest and headrest. Control panel: Integrated LED or touch screen, allowing dentists to adjust chair height, water volume, and other functions. LED lighting system: Provides precise lighting, adjustable brightness and height. Spit bowl: Made of porcelain or glass, can rotate flexibly, some types have a self-watering system. Handpiece: Includes handpiece, sprayer, and curing light, which can be disassembled for easy cleaning. Water system: Has water heating mode, helping patients feel more comfortable</p>
340	Handpiece for Implant	Korea	1	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later, 100% new - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Configuration includes: Implant placement drill: Has a powerful motor, flexible speed adjustment to suit each drilling stage. Implant drill bit set: Includes many different types of drill bits such as pilot drill, pilot drill, spiral probe drill, implant drill, spiral tapered drill. Depth gauge: Used to check the depth and diameter of the hole before placing the implant. Implant post - Healing cap - Abutment: Important parts that help fix the implant post to the jaw bone. Implant wrench: Assists the doctor</p>

				in adjusting and fixing the implant post. Surgical suction machine: Helps remove blood and fluid during the implant process
341	Electro Surgical Unit for Dental	Korea	1	<p>General requirements</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new.</li> <li>- Power source: 198 - 260V (VAC-50/60Hz)</li> <li>- Operating environment: Suitable for Vietnam's climate. Supplied configuration</li> <li>- Control pedal: 01 piece.</li> <li>- Bipolar clamp: 01 piece.</li> <li>- Bipolar clamp connecting wire: 01 piece.</li> <li>- Neutral electrode plate: 10 pieces.</li> <li>- Neutral electrode plate connecting wire: 01 piece.</li> <li>- Monopolar knife handle: 01 piece. - Specialized trolley: 01 piece.</li> <li>- User manual: 01 set.</li> </ul>
342	Endo Unit	Third country	1	<p>Cordless Endo Device</p> <p>General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> </ul> <p>Configuration includes:</p> <p>Brushless Endo motor: Integrated locator, helps to measure the root canal accurately.</p> <p>Torque range: ensures the appropriate force for each type of treatment.</p> <p>Speed range: Adjustable for good control of the treatment process.</p> <p>Reciprocal angle: Adjustable for flexibility in operation.</p> <p>High performance battery: 1900mA capacity, ensures continuous operation.</p> <p>There is a calibration mode before use, helping to ensure accuracy</p>
343	Curing light lamp	Korea	2	<p>Wireless light therapy lamp</p> <p>General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> </ul> <p>Configuration includes:</p> <p>Light source: Using advanced LED technology, can adjust the intensity and wavelength of light to suit each therapy.</p> <p>Rechargeable battery: Built-in high capacity battery, allowing continuous use for many hours without plugging in.</p> <p>Remote control: Can adjust the light mode, treatment time and light intensity via remote</p> <p>Compact design: Easy to move and use in many different locations without being limited by wires.</p> <p>Light mode: Supports multiple wavelengths such as blue, red, infrared light, helping to treat skin problems, relieve pain and restore tissue.</p> <p>Cooling system: Equipped with an efficient radiator, helping to maintain a stable temperature during use.</p>
344	Electric oven 300°C	Korea	1	<p>I. General requirements:</p> <p>100% new.</p>

				<ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supply configuration:</p> <ul style="list-style-type: none"> <li>- Capacity of 300 liters or more</li> <li>- Adjustable sterilization time.</li> <li>- Overheat alarm.</li> <li>- Top air outlet with adjustable air volume.</li> <li>- Fast heating, forced air convection, fast sterilization.</li> <li>- High precision microprocessor temperature control; Stainless steel inner chamber</li> <li>- Forced convection fan for fast heating, high uniformity.</li> </ul>
345	Electric suction pump	Korea	4	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>*Type: Electric suction machine (can be equipped with rechargeable battery or used directly from the grid)</li> <li>* Maximum suction pressure: 0.075 - 0.08 MPa (equivalent to 560-600 mmHg)</li> <li>* Adjustable suction pressure: Adjustable from 0 to 600 mmHg</li> <li>* Fluid tank: 500 - 1000 ml, with tight lid, spill-proof, heat-resistant, sterilizable</li> <li>* Antibacterial filter: Yes (filters output air, limits cross-contamination).</li> <li>* Soft, non-toxic silicone material.</li> <li>* Power source: 220V/50Hz or built-in rechargeable battery (in mobile device). * Overload protection mode: Automatic shut-off system when overheating or full tank.</li> <li>* Machine weight: Light: 3 - 7 kg.</li> <li>* Included accessories:</li> <li>- Suction hose, Suction tube of various sizes (depending on age), Bacteria filter, Spare tank (if any)</li> </ul>
346	Implant operating instrument set	Korea	1	<p>I. General requirements:</p> <p>100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <p>Implant surgical kit includes full range of specialized tools to support the dental implant process</p>
347	Minor Dental Surgery Instrument Set	Korea	2	<p>I. General requirements:</p> <p>100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <p>Dental minor surgery kit includes full range of tools</p>

				such as scalpel, Mayo scissors, dissecting forceps, surgical retractors, needle clamps, .....
348	Minor surgery instrument set for tender meet (for soft tissue)	Korea	2	I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: The soft tissue minor surgery kit includes all the necessary tools to perform minor procedures on soft tissue.....
349	Oil compresor	Korea	6	General requirements: 100% new. - Year of manufacture: 2024 or later - Power source: 220V or 380V For compatible use with dental chairs
350	Root ZX	Korea	1	General requirements: 100% new. - Year of manufacture: 2024 or later - Power source: 220 V The apex locator is popular in endodontic treatment, helping to accurately measure the length of the root canal. Measurement mode: helps to determine the exact position of the tooth apex. Display: Clear LCD screen, displaying measurement results in graph form. Power source: Operates on battery or electricity, making it easy to replace and use flexibly. High accuracy
351	VIT surgery instrument set	Korea	1	I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: VIT surgical instrument set has full range of orthopedic tools and aids
352	Patient bed	Korea	10	I. General requirements: 100% new product. - Year of manufacture: 2024 or later, 100% new - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: Bed frame: Usually made of stainless steel or aluminum alloy, ensuring durability and easy cleaning. Bed surface: Can be steel mesh or ABS plastic sheet, helping to ventilate and easy to clean. Wheels: Helps move flexibly, has locks to fix position. Side rails: Both sides of the bed have safety rails, which can be raised and lowered according to needs.
353	Ear operating instrument including: Drill machine + drill bit set +	Third country	1	I. General requirements: 100% new product. - Year of manufacture: 2024 or later

	tympanoplasty microsurgical set + Operating microscopy			<ul style="list-style-type: none"> <li>- Operating environment: Suitable for Vietnam's climate.</li> <li>II. Supplied configuration: <ul style="list-style-type: none"> <li>- High-speed ear and sinus surgery drill 0-60000 rpm, ear drill bit set with diamond drill and drill, eardrum microsurgery tools, ear microscope</li> </ul> </li> </ul>
354	E.N.T treatment chair	Korea	1	<ul style="list-style-type: none"> <li>I. General requirements: 100% new product. <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> </li> <li>II. Configuration provided: Specialized ENT examination chair with electric adjustment and position change</li> </ul>
355	Head Light	Korea	1	Specialized Head light
356	Audiogram meter	Korea	1	<ul style="list-style-type: none"> <li>I. General requirements: 100% new product. <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> </li> <li>II. Supplied configuration: Closed audiometry room, Measuring machine, Computer, connection software</li> </ul>
357	Tympanometer	Third country	1	<ul style="list-style-type: none"> <li>I. General requirements: 100% new product. <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> </li> <li>II. Supplied configuration: Tympanometer + stapedial reflex</li> </ul>
358	Endoscope hanging larynx	Korea	1	<ul style="list-style-type: none"> <li>I. General requirements: 100% new product. <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> </li> <li>II. Supplied configuration: Tool kit: laryngoscopy system with laryngeal microsurgery tools</li> </ul>
359	ENT Examination Chair	Korea	2	<ul style="list-style-type: none"> <li>I. General requirements: 100% new product. <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> </li> <li>II. Supplied configuration: Specialized ENT treatment table with suction system, aerosol spray and tool storage compartment Table frame: Made of stainless steel or aluminum alloy, ensuring high durability. Table top: Covered with waterproof medical padding, easy to clean.</li> </ul>

				Height adjustment: Can be raised or lowered by hydraulic or electric system. Wheels: Helps move flexibly, with fixed locks. Accessories included: Infusion rack, protective bar
360	Endoscopic Surgical Instruments for nasal cavity	Korea	1	I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: The endoscopic sinus surgery kit includes surgical instruments to access the maxillary, ethmoid, frontal, and sphenoid sinuses.
361	Surgical microscope for ENT	Korea	1	I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: Ear surgical microscope: magnification factor 2.7x to 27x. Focal length 200mm to 415mm. Viewing angle 0 to 180 degrees
362	Patient bed	Korea	10	I. General requirements: 100% new product. - Year of manufacture: 2024 or later, 100% new - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: Bed frame: Usually made of stainless steel or aluminum alloy, ensuring durability and easy cleaning. Bed surface: Can be steel mesh or ABS plastic sheet, providing ventilation and easy cleaning. Wheels: Helps move flexibly, with locks to fix position. Side rails: There are safety rails on both sides of the bed that can be raised or lowered as needed. Lifting system: to raise or lower body parts to help patients change positions easily *With IV pole
363	Patient Monitor	Korea	1	I. General requirements: 100% new. - Year of manufacture: 2024 or later, 100% new - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: - Main machine - Multi-parameter measuring block with standard accessories - ECG measuring cable and measuring set with electrodes 01 set - SpO2 measuring cable and accessory set 01 set - NIBP non-invasive blood pressure measuring cable and cuff 01 set

				<ul style="list-style-type: none"> <li>- Temperature measuring cable and accessory set 01 set</li> <li>- IBP invasive blood pressure measuring cable and accessory set 02 sets</li> <li>- CO2 concentration measuring block with standard accessories 01 set</li> <li>- CO2 concentration measuring cable and accessory set 01 set</li> <li>- PR concentration measuring cable and accessory set 01 set</li> </ul>
364	Electrocardiograph	Third country	1	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Main machine: 01 unit</li> <li>- Standard accessories included</li> <li>- ECG cable: 01 unit</li> <li>- Power cord: 01 unit</li> <li>- Chest suction electrode with rubber nipple: 06 units</li> <li>- Limb clamp electrode: 04 units</li> <li>- Printer paper included with the machine: 01 unit</li> <li>- Thermal recorder head cleaning pen: 01 unit</li> <li>- Rechargeable battery: 01 unit</li> <li>- 12-channel ECG machine with 8-inch screen integrated with ECG result analysis software, 1 LAN port for connecting to computer, 2 USB ports, can measure 18 leads (option) export DICOM format ECG file and can synchronize with patient data management system</li> </ul>
365	TCD(TransCranial Doppler )	Third country	1	<p>Doppler probe: Supports 1 PW, 2 PW, 4 PW/CW, 8 PW/CW, 16 PW MHz, helps to accurately measure blood flow. M-Mode: suitable for many different types of probes. Spectrum display: Can display multiple spectra at the same time, helping to monitor details. Control: The device can be activated from the keyboard, remote control, mouse or touch screen. Data storage: Supports multiple formats such as PDF, XLS, DOC, RTF, making it easy to export data. Application: Diagnosis of cerebral vasospasm, embolism, increased intracranial pressure, hemodynamic monitoring.</p>
366	Electrocardiograph	Korea	1	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Main machine: 01 unit</li> <li>- Standard accessories included - ECG cable: 01 unit</li> <li>- Power cord: 01 unit</li> <li>- Chest suction electrode with rubber knob: 06 units</li> <li>- Limb clamp electrode: 04 units - Printer paper</li> </ul>

				<p>included with the machine: 01 unit</p> <ul style="list-style-type: none"> <li>- Thermal recorder head cleaning pen: 01 unit</li> <li>- Rechargeable battery: 01 unit - 12-channel ECG machine with 8-inch screen integrated with ECG result analysis software, 1 LAN port for connecting to computer, 2 USB ports, can measure 18 leads (option) export DICOM format ECG file and can synchronize with patient data management system</li> </ul>
367	Electric suction pump	Third country	10	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>*Type: Electric suction machine (can be equipped with rechargeable battery or used directly from the grid)</li> <li>* Maximum suction pressure: 0.075 - 0.08 MPa (equivalent to 560-600 mmHg)</li> <li>* Adjustable suction pressure: Adjustable from 0 to 600 mmHg</li> <li>* Fluid tank: 500 - 1000 ml, with tight lid, spill-proof, heat-resistant, sterilizable</li> <li>* Antibacterial filter: Yes (filters output air, limits cross-contamination).</li> <li>* Soft, non-toxic silicone material.</li> <li>* Power source: 220V/50Hz or built-in rechargeable battery (in mobile device). * Overload protection mode: Automatic shut-off system when overheating or full tank.</li> <li>* Machine weight: Light: 3 - 7 kg.</li> <li>* Included accessories: <ul style="list-style-type: none"> <li>- Suction hose, Suction tube of various sizes (depending on age), Bacteria filter, Spare tank (if any)</li> </ul> </li> </ul>
368	Ambu bag	Korea	50	<p>Type of use: Reusable, manual operation. Material of the squeeze ball: Silicon, ensuring durability and safety when used.</p> <p>Capacity of the squeeze ball: 1,800 ml, suitable for adults.</p> <p>Mask: Made of silicon, designed to fit the face to optimize ventilation efficiency.</p> <p>Air bag: Made of PVC, capacity of 2,700 ml.</p> <p>Oxygen connection line: 2m long, supporting effective oxygen supply.</p> <p>Sterilization: The squeeze ball and mask can be sterilized by autoclave to ensure hygiene.</p>
369	Ambu bag for children	Korea	5	<p>Balloon made of medical silicone or PVC, good elasticity, quick shape recovery, can be sterilized or disposable.</p> <p>Balloon size: Neonatal: 150–250 ml, Infant: 300–500 ml, Pediatric: 500–750 ml.</p> <p>Non-rebreathing valve ensures one-way air flow, no CO<sub>2</sub> respiration, removable and sterilizable.</p>

				<p>Silicone or PVC mask, soft, tight, fits the face.          Sizes 0, 1, 2, 3 (depending on age group).          Oxygen connector connects oxygen line Ø 6–8 mm, with reserve bag ≥ 600 ml. PEEP valve (optional or included) adjusts positive end-expiratory pressure (5–20 cmH<sub>2</sub>O).          Pressure sensor (optional) displays airway pressure during balloon compression.          Reservoir bag with minimum capacity of 600 ml, helps maintain high FiO<sub>2</sub> &gt; 90%, should have anti-reflux valve.          Latex-free, non-toxic, biocompatible material certified by ISO 13485, CE/FDA</p>
370	Ambulance Car	Korea	2	Ambulance
371	Autoclave, capacity: 50 – 70L	Korea	10	<p>General requirements          Year of manufacture: 2024 or later; 100% new Device configuration</p> <ul style="list-style-type: none"> <li>- Uses saturated steam under high pressure for sterilization</li> <li>- Achieves standard sterilization temperature of 121°C and/or 134°C</li> <li>- Achieves the pressure required to maintain sterilization temperature</li> <li>- Intelligent, convenient control and monitoring system</li> <li>- Made of stainless steel material, sturdy structure, safe to use</li> <li>- Easy to maintain and replace spare parts</li> </ul>
372	Patient Monitor	Korea	5	<p>I. General requirements: 100% new product.          - Year of manufacture: 2024 or later, 100% new          - Power source: 220V or 380V          - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Main machine</li> <li>- Multi-parameter measuring block with standard accessories</li> <li>- ECG measuring cable and measuring set with electrodes 01 set</li> <li>- SpO<sub>2</sub> measuring cable and measuring accessories set 01 set</li> <li>- NIBP non-invasive blood pressure measuring cable and cuff 01 set</li> <li>- Temperature measuring cable and accessory set 01 set</li> <li>- IBP invasive blood pressure measuring cable and accessory set 02 sets</li> <li>- CO<sub>2</sub> concentration measuring block with standard accessories 01 set</li> <li>- CO<sub>2</sub> concentration measuring cable and accessory set 01 set</li> <li>- PR concentration measuring cable and accessory set 01 set</li> </ul>
373	Car 7 sits	Korea	1	7 seater car
374	Defibrillator	Korea	10	I. General requirements: 100% new.

				<ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220 V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Configuration includes</p> <ul style="list-style-type: none"> <li>- Main machine with screen and recorder: 01 unit</li> <li>- ECG cable: 01 unit</li> <li>- Rechargeable battery: 01 unit</li> <li>- Adult and child shock pad: 01 unit</li> <li>- Thermal paper: 01 roll</li> <li>- External pacemaker pad attachment wire: 01 unit</li> <li>- External pacemaker pad set.</li> <li>- Power cord: 01 unit</li> <li>- Shock gel tube: 01 tube</li> <li>- User manual in English and Vietnamese: 01 set</li> </ul>
375	Dressing cart	Korea	100	Clothes trolley
376	Electric oven 2500C	Korea	2	<p>I. General requirements:</p> <p>100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supply configuration:</p> <ul style="list-style-type: none"> <li>- Capacity of 250 liters or more</li> <li>- Adjustable sterilization time.</li> <li>- Overheat alarm.</li> <li>- Top air outlet with adjustable air volume.</li> <li>- Fast heating, forced air convection, fast sterilization.</li> <li>- High precision microprocessor temperature control; Stainless steel inner chamber</li> <li>- Forced convection fan for fast heating, high uniformity.</li> </ul>
377	Electric Patient bed	Korea	45	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <p>Bed frame: Usually made of stainless steel or aluminum alloy, ensuring durability and easy cleaning.</p> <p>Bed surface: Can be steel mesh or ABS plastic sheet, helping to ventilate and easy to clean.</p> <p>Wheels: Helps move flexibly, with locks to fix position.</p> <p>Side rails: Both sides of the bed have safety rails, which can be raised and lowered according to needs.</p> <p>Lifting system: Electric control to raise and lower body parts to help patients change positions easily</p> <p>* Has a pole to attach the IV pole</p>
378	Electrocardiograph	Korea	5	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p>

				<ul style="list-style-type: none"> <li>- Main machine: 01 unit</li> <li>- Standard accessories included - ECG cable: 01 unit</li> <li>- Power cord: 01 unit</li> <li>- Chest suction electrode with rubber nipple: 06 units</li> <li>- Limb clamp electrode: 04 units</li> <li>- Printer paper included with the machine: 01 unit</li> <li>- Thermal recorder head cleaning pen: 01 unit</li> <li>- Rechargeable battery: 01 unit</li> <li>- 12-channel ECG machine with 8-inch screen integrated with ECG result analysis software, 1 LAN port for connecting to computer, 2 USB ports, can measure 18 leads (option) export DICOM format ECG file and can synchronize with patient data management system</li> </ul>
379	Electrocardiograph	Korea	3	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration: - Main machine: 01 unit</p> <ul style="list-style-type: none"> <li>- Standard accessories included</li> <li>- ECG cable: 01 unit</li> <li>- Power cord: 01 unit</li> <li>- Chest suction electrode with rubber knob: 06 units</li> <li>- Limb clamp electrode: 04 units</li> <li>- Printer paper included with the machine: 01 unit</li> <li>- Thermal recorder head cleaning pen: 01 unit</li> <li>- Rechargeable battery: 01 unit - 12-channel ECG machine with 8-inch screen integrated with ECG result analysis software, 1 LAN port for connecting to computer, 2 USB ports, can measure 18 leads (option) export DICOM format ECG file and can synchronize with patient data management system</li> </ul>
380	Emergency cart	Korea	20	Emergency stretcher
381	Examination table	Korea	50	<p>I. General requirements:</p> <p>100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <p>The table is wide enough, sturdy, the table can be controlled to go up and down, and the head can be raised and lowered.</p>
382	Infusion pump	Korea	20	<p>I. General requirements:</p> <p>100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Configuration provided:</p> <p>* Infusion speed range: suitable for both rapid intravenous infusion and slow drip infusion for infants, adjustable odd numbers from 0.1 - 1200 ml/h (depending on the model)</p>

				<ul style="list-style-type: none"> <li>* Set the total infusion volume for each treatment case.</li> <li>* Ensure accurate infusion speed.</li> <li>* Operating mode: continuous infusion, bolus (fast infusion of immediate dose), maintenance at low speed (~ 1 ml/h)</li> <li>* Warning system: infusion line blockage, out of fluid, out of battery, ....</li> <li>* Clear, easy-to-read screen, fully displays infusion speed, infused volume, remaining time, infusion status.</li> <li>* Infusion line compatibility: can be used with standard medical infusion lines.</li> <li>* Can be mounted on an infusion rack or fixed on the infusion bar.</li> <li>* Audio and visual warnings (lights or symbols).</li> <li>* Power source: uses power source, backup battery.</li> </ul>
383	Medical gas system	Korea	1	<p>The medical gas system includes:</p> <ul style="list-style-type: none"> <li>- Liquid oxygen tanks: O2 tanks with a capacity of 10 cubic meters with full accessories for the system to operate stably (vaporizer, copper pipe system, pressure regulator, isolation valve... leading to the departments for use)</li> <li>- Central compressed air system: 2 operating systems are connected to each other. Each system has 2 air compressors operating alternately, with the function of automatically starting when the grid fails, the operating capacity ensures the operation of 500 beds, with full accessories for the system to operate stably (copper pipe system, pressure regulator, isolation valve... leading to the departments for use)</li> <li>- Central suction air system: 2 operating systems are connected to each other. Each system has 2 suction machines operating alternately, with the function of automatically starting when the grid power is lost, the operating capacity ensures the operation of 500 beds, with full accessories for the system to operate stably (copper pipe system, pressure regulator, isolation valve... leading to the departments for use).</li> <li>- The backup oxygen cylinder system is connected to each other in the departments (minimum 01 set of 5 oxygen cylinders) connected to the liquid oxygen system locked by an isolation valve</li> <li>- The central Co2 system is located near the operating rooms to serve endoscopic surgery (minimum 01 set of 5 CO2 cylinders)</li> <li>- All systems must be inspected before being put into use.</li> </ul>
384	Medication cart	Korea	30	<p>Material: Stainless steel or high-quality ABS plastic, ensuring durability and easy cleaning.</p> <p>Design: Includes many drawers to classify drugs, with central lock for safety protection.</p> <p>Wheels: 4 360-degree rotating wheels, of which 2 wheels have locks to fix the position.</p> <p>Accessories included: IV pole, needle box, medical waste bin.</p>

385	Patient bed	Korea	165	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later, 100% new - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: Bed frame: Usually made of stainless steel or aluminum alloy, ensuring durability and easy cleaning. Bed surface: Can be steel mesh or ABS plastic sheet, helping to ventilate and easy to clean. Wheels: Helps move flexibly, with locks to fix position. Side rails: Both sides of the bed have safety bars, which can be raised and lowered according to needs. Lifting system: to lift and lower body parts to help patients change positions easily * Has a pole to attach the IV pole</p>
386	Standby power generator system 300 KVA	Korea	1	300KVA backup generator
387	Strether Cart	Korea	20	Cart
388	Electric suction pump	Korea	20	<p>I. General requirements: 100% new product. - Year of manufacture: 2024 or later, 100% new - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: *Type: Electric suction machine (can be equipped with rechargeable battery or used directly from the grid) * Maximum suction pressure: 0.075 - 0.08 MPa (equivalent to 560-600 mmHg) * Adjustable suction pressure: Adjustable from 0 to 600 mmHg * Fluid tank: 500 - 1000 ml, with tight lid, spill-proof, heat-resistant, sterilizable * Antibacterial filter: Yes (filters output air, limits cross-contamination). * Soft, non-toxic silicone material. * Power source: 220V/50Hz or built-in rechargeable battery (in mobile device). * Overload protection mode: Automatic shut-off system when overheating or full tank. * Machine weight: Light: 3 - 7 kg. * Included accessories: - Suction hose, Suction tube of various sizes (depending on age), Bacteria filter, Spare tank (if any)</p>
389	Treatment table	Korea	30	<p>I. General requirements: 100% new. - Year of manufacture: 2024 or later - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: Table frame: Made of stainless steel or aluminum alloy,</p>

				<p>ensuring high durability. Table top: Covered with waterproof medical padding, easy to clean. Height adjustment: Can be raised and lowered by hydraulic or electric system. Wheels: Helps move flexibly, with fixed locks. Accessories included: Infusion stand, protective bar</p>
390	Ventilator	Korea	10	<p><b>GENERAL REQUIREMENTS</b> + 100% new equipment, manufactured in 2024 or later, Supplied configuration - Main machine with display screen: 01 machine - Included accessories: + Air warmer: 01 set + Humidifier for adults and children: 01 piece + Humidifier for infants: 01 piece + Warmer/humidifier holder: 01 piece + Silicone reusable breathing circuit for adults: 01 set + Silicone reusable breathing circuit for children: 01 set + Silicone reusable breathing circuit for infants: 01 set + Adult artificial lungs for machine testing (purchased domestically): 01 piece + Child artificial lungs for machine testing (purchased domestically): 01 piece + Infant artificial lungs for machine testing (purchased domestically): 01 piece + Adult breathing mask (purchased domestically): 01 piece + Mask Children's breathing mask (purchased domestically): 01 piece + Newborn breathing mask (purchased domestically): 01 piece + Reusable exhalation filter (with water trap) for adults: 01 set + Disposable exhalation filter (with water trap) for newborns: 01 set + Reusable inhalation filter: 01 set + O2 compressed air and connection set: 01 set + Breathing tube support: 01 piece + Synchronized backup battery: 01 piece + Synchronized machine trolley: 01 piece + AC power cord: 01 piece + Synchronized air compressor: 01 piece + User manual in English and Vietnamese: 01 set + Full features, breathing modes of high-end ventilators. Ensure functions to meet non-invasive and invasive mechanical ventilation for severe and critical patients.</p>
391	A.V.R 5kW	Korea	1	5KW Input Voltage Stabilizer
392	Clamp Ampermeter	Korea	1	<p>Ammeter with DC and AC measurement function AC current range: 20.00 A/600.0 ADC current range: 20.00 A/600.0 AAC voltage range: 6.000 V to 1000 V, 4 ranges (15 Hz to 1 kHz, True RMS) DC voltage range: 600.0 mV to 1500 V, 5 ranges Power measurement: 0.0 VA to 1020 kVA</p>

				Continuity measurement: Continuity threshold [ON]: 25Ω±10 Ω (Buzzor sound, red LED) Pinch head diameter: φ33 mm (1.30 in), size 69 mm (2.72 in) W× 14 mm (0.55 in) Temperature measurement: -40.0 to 400.0 °C DC+AC current: 20.00 A/600.0 A (10 Hz to 1 kHz, True RMS) Frequency: 9.999 Hz to 999.9 Hz Voltage detection Hi: 40 V to 600 V AC, Lo: 80 V to 600 V AC, 50/60 Hz Capacitor: 1.000 μF to 1000 μF, 4 ranges
393	Digital Multimeter	Korea	3	AC current range: 600.00 μA to 600.00 mA /±0.6 % rdg. ±5 dgtDC current range: 600.00 μA to 600.00 mA /±0.05 % rdg. ±5 dgtAC voltage range: 60.000 mV to 1000.0 V /±0.2 % rdg ±25 dgtDC voltage range: 60.000 mV to 1000.0 V /±0.025 % rdg ±2 dgt Resistance range: 60.000 Ω to 600.0 MΩ /±0.03 % rdg. ±2 dgt.DC + AC voltage: 6.0000 V to 1000.0 V /±0.3 % rdg ±30 dgt Temperature measurement: -40.0 °C to 800.0 °C Frequency: 0.5 Hz to 500.00 kHz /±0.02 % rdg. ±3 dgt. Capacitance: 1.000 nF to 100.0 mF /±1.0 % rdg. ±5 dgt. Display: 5-digits LCD, max. 60000 digits Battery: 4 LR6 (AA) alkaline batteries, continuous operation Accessories: Test leads
394	Drill Machine	Korea	3	Cordless drill with screw shooting, iron and concrete drilling functions
395	Electric Drill	Korea	3	Electric drill with screw shooting, iron drilling, concrete drilling, chiseling function
396	Electric Repairing	Korea	1	Full set of tools for electrical repairs such as: Metal drill bit set Concrete drill bit set Aluminum ladder Tool cart Set of pliers, cos pliers Screwdriver set Hexagon set Star hexagon set Portable tool box Power supply Air blower Soldering station (or soldering iron)
397	Electric Saw	Korea	3	Electric saw Saw blade: Can be a chain saw blade, circular saw blade or jigsaw blade
398	Mechanical Tool Set	Korea	3	Mechanical tool kit includes: Bench drill, Sound-absorbing air compressor, Battery- powered hand grinder, Inverter arc welder, Heat pipe welder, Dust extractor and blower, 3-ton high-capacity forklift, Low-lift forklift, Hand truck, 5-inch vice, Set of sliding-mouth wrenches (reversible), Set of wrenches, toothed wrenches
399	Oscilloscope	Korea	2	2 Channel Oscilloscope 100 Mhz
400	Patient Monitor	Korea	2	I. General requirements: 100% new product. - Year of manufacture: 2024 or later, 100% new

				<ul style="list-style-type: none"> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <ul style="list-style-type: none"> <li>- Main machine</li> <li>- Multi-parameter measuring block with standard accessories <ul style="list-style-type: none"> <li>- ECG measuring cable and measuring set with electrodes 01 set</li> <li>- SpO2 measuring cable and accessories set 01 set</li> <li>- NIBP non-invasive blood pressure measuring cable and cuff set 01 set</li> <li>- Temperature measuring cable and accessories set 01 set</li> <li>- IBP invasive blood pressure measuring cable and accessories set 02 sets</li> <li>- CO2 concentration measuring block with standard accessories 01 set</li> <li>- CO2 concentration measuring cable and accessories set 01 set</li> <li>- PR concentration measuring cable and accessories set 01 set</li> </ul> </li> </ul>
401	Patient bed	Korea	15	<p>I. General requirements: 100% new.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supplied configuration:</p> <p>Bed frame: Usually made of stainless steel or aluminum alloy, ensuring durability and easy cleaning.</p> <p>Bed surface: Can be steel mesh or ABS plastic sheet, helping to ventilate and easy to clean.</p> <p>Wheels: Helps move flexibly, with locks to fix position.</p> <p>Side rails: Both sides of the bed have safety rails, which can be raised and lowered according to needs.</p> <p>Lifting system: Electric control to raise and lower body parts to help patients change positions easily</p> <p>* Has a pole to attach the IV pole</p>
402	TCI/TIVA electric syringe	Third country	2	<p>I. General requirements: 100% new product.</p> <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> <p>II. Supply configuration:</p> <ul style="list-style-type: none"> <li>* Infusion rate: normal infusion, rapid infusion (Bolus), tablet retention infusion, adjustable odd number range from 0.1 ml/h to 1500 ml/h (depending on model and syringe size)</li> <li>* High accuracy</li> <li>* Compatible with syringe sizes 5ml, 10ml, 20ml, 50/60ml and compatible with many standard syringes of different brands.* Many alarm functions, safety warnings: injection line blockage, low fluid, low fluid, pressure, battery alarm. Audio and visual warnings</li> </ul>

				(lights or symbols)* Clear, easy-to-read screen, full display of pumping speed, pumped volume, remaining time, pumping status.* Power source: using power source, backup battery.* Can be mounted on an infusion stand or fixed on an infusion bar * Safe materials, easy to clean. * TCI Controls the concentration of the solution
403	Electric syringe pump	Korea	2	I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate. II. Configuration provided: * Infusion rate: normal infusion, rapid infusion (Bolus), tablet retention infusion, adjustable odd number range from 0.1 ml/h to 1500 ml/h (depending on model and syringe size) * High accuracy * Compatible with syringe sizes 5ml, 10 ml, 20 ml, 50/60 ml and compatible with many standard syringes of different manufacturers. * Many alarm functions, safety warnings: injection line blockage, low fluid, low fluid, pressure, battery alarm. Audio and visual warnings (lights or symbols) * Clear, easy-to-read screen, fully displaying pump speed, pumped volume, remaining time, pump status. * Power source: using power source, backup battery. * Can be mounted on an infusion stand or fixed on an infusion bar * Safe materials, easy to clean.
404	Electrocardiograph	Korea	1	I. General requirements: 100% new. - Year of manufacture: 2024 or later, 100% new - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate. II. Supplied configuration: - Main machine: 01 unit - Standard accessories included - ECG cable: 01 unit - Power cord: 01 unit - Chest suction electrode with rubber nipple: 06 units - Limb clamp electrode: 04 units - Printer paper included with the machine: 01 unit - Thermal recorder head cleaning pen: 01 unit - Rechargeable battery: 01 unit - 12-channel ECG machine with 8-inch screen integrated with ECG result analysis software, 1 LAN port for connecting to computer, 2 USB ports, can measure 18 leads (option) export DICOM format ECG file and can synchronize with patient data management system
405	Infusion pump	Korea	2	I. General requirements: 100% new. - Year of manufacture: 2024 or later, 100% new - Power source: 220V or 380V

				<ul style="list-style-type: none"> <li>- Operating environment: Suitable for Vietnam's climate.</li> <li>II. Supply configuration: <ul style="list-style-type: none"> <li>- Size 300ml</li> <li>- Continuous flow rate: 2ml/h</li> <li>- Material of the bulb in the tank: Silicon HR-28U (80%) and Silicon BASE 30U (20%)</li> <li>- Pressure in the tank: 6-9 PSI</li> <li>- Particle filter pore size: 2 filter membranes 150 µm and 15 µm</li> <li>- Air filter pore size: 1.2 µm- 380 nm UV-blocking shell, blocking UV-B, UV-C and most UV-A</li> <li>- Volume scale located inside the bulb</li> <li>- Connection cover with hydrophobic membrane 1.2 µm filter hole removes all air in the wire and prevents overflow</li> </ul> </li> </ul>
406	Syringe annul apparatus	Korea	1	<ul style="list-style-type: none"> <li>I. General requirements: <ul style="list-style-type: none"> <li>100% new product.</li> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> </li> <li>II. Supplied configuration: <ul style="list-style-type: none"> <li>- Capable of destroying common types of needles, from small insulin needles to large needles</li> <li>- Fast destruction time</li> <li>- Ensure safety and hygiene</li> <li>- Simple operation, with clear instructions</li> </ul> </li> </ul>
407	Patient bed	Korea	20	<ul style="list-style-type: none"> <li>I. General requirements: 100% new. <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later, 100% new</li> <li>- Power source: 220V or 380V</li> <li>- Operating environment: Suitable for Vietnam's climate.</li> </ul> </li> <li>II. Supplied configuration: <ul style="list-style-type: none"> <li>Bed frame: Usually made of stainless steel or aluminum alloy, ensuring durability and easy cleaning.</li> <li>Bed surface: Can be steel mesh or ABS plastic sheet, helping to ventilate and easy to clean.</li> <li>Wheels: Helps move flexibly, with locks to fix position.</li> <li>Side rails: Both sides of the bed have safety bars, which can be raised and lowered according to needs.</li> <li>Lifting system: to lift and lower body parts to help patients change positions easily * Has a pole to attach the IV pole</li> </ul> </li> </ul>
408	Acupuncture apparatus	Korea	6	<ul style="list-style-type: none"> <li>General requirements: 100% new. <ul style="list-style-type: none"> <li>- Year of manufacture: 2024 or later</li> </ul> </li> <li>Power source: Operates with voltage 220V - 240V, frequency 50Hz/60Hz.</li> <li>II. Configuration: <ul style="list-style-type: none"> <li>Pulse frequency: Adjustable from 1Hz to 100Hz, suitable for many treatment methods.</li> <li>Current intensity: Does not exceed 50mA, ensuring safety when used.</li> <li>Number of treatment channels: 6 channels, allowing stimulation of 12 acupuncture points at the same time.</li> </ul> </li> </ul>

				<p>Pulse mode: There are 3 modes including continuous, intermittent, oscillation, helping to adjust to each disease.</p> <p>Timer system: Can set treatment time from 0 - 60 minutes, helping to control the treatment process.</p> <p>Accessories included: Including connecting wire, electrode, acupuncture pen, supporting the acupuncture process</p>
409	Laser acupuncture apparatus	Korea	2	<p>I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate.</p> <p>Main equipment: Contains laser source and control system. Laser head: Can be from 10 to 12 heads, helping to treat many acupuncture points at the same time. Laser wavelength: Usually from 630nm - 940nm, depending on the type of gas or semiconductor laser. Laser power: About 6mW - 30mW, suitable for non-invasive treatment. Control panel: LCD screen, can adjust pulse frequency from 3Hz - 100Hz. Automatic system: Automatically shuts off after preset treatment time</p>
410	Laser intravascular	Korea	2	<p>I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Configuration of the device: Body: Contains the laser source. Optical fiber: Leads the laser beam into the patient's body. Control panel: Adjusts the intensity and duration of the laser beam. Laser needle: Used to insert the laser beam into the vein or under the tongue.</p>
411	Laser therapy apparatus	Korea	4	<p>I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's climate.</p> <p>II. Supplied configuration: Main machine, power cable, capacity 500mW-25W, continuous and intermittent mode. Vietnamese user manual (recommended: 1 high-power machine, 1 low-power machine)</p>
412	Magnetic therapy machine	Korea	4	<p>I. General requirements: 100% new product. - Year of manufacture: 2024 or later - Power source: 220V or 380V - Operating environment: Suitable for Vietnam's</p>

				climate. II. Supplied configuration: Main machine, power cable. Vietnamese user manual set Specifications: frequency 1hz-30hz
413	Ultrasound treatment machine	Korea	4	I. Meet general requirements: - Year of manufacture: 2024 or later. - Quality: 100% new - Operating environment: Vietnam climate conditions - Power source: 220 ±10% VAC 50Hz II. Configuration: - Main machine with touch screen. 2 probes (1 large, 1 small), power cord. Parameters: intensity: 0.1-3W/cm <sup>2</sup> , frequency 1 MHZ and 3 MHZ, mode: intermittent and continuous. Vietnamese user manual