

PROCUREMENT OF MEDICAL EQUIPMENT FOR OPERATING ROOM AND LABORATORY
IB NO. 2022-10-28 (36)

TECHNICAL SPECIFICATION

ITEM NO.	DESCRIPTION	QTY	UNIT OF MEASURE	UNIT COST	TOTAL COST
1	ULTRASONIC WASHER	1	UNIT	₱1,000,000.00	₱1,000,000.00
a	Ultrasound frequency: 38khz				
b	Transducer power effective:800 W/peak, 3.2 KW				
c	Field Strength: 4,1 W/cm3				
d	Sweep frequency variation function for improved treatment efficiency				
e	Gradual frequency intensity increase function for efficient instrument treatment				
f	Degas function for fast self-degassing system to increase washing efficiency				
g	Washing water heating function from 30°C up to 80° C (2kw)				
h	Heating and keeping the set temperature indication with red/green LED				
i	Preset timer function 1,2,3,4,5,10,15,20,25,30 minutes and continuous (max12h)				
j	Built in drain system				
k	Stainless steel external panels				
l	Internal Tank dimensions LxDxH: 600x500x300mm				
m	External Dimensions LxDxH: 715x570x467mm				
n	Electrical Connection: 1/N/PE 230V-50 Hz-2,8 KW max				
o	With basket VU90CSK to hold instruments for reprocessing				
2	IV INFUSION PUMP	12	UNIT	₱70,000.00	₱840,000.00
a	PERFORMANCE				
b	Type: Volumetric infusion pump				
c	Infusion Rate: 1- 699 ml/H, increment: 1ml/h				
d	Total Volume: 1-9999 ml/H, increment: 1 ml/h				
e	Accuracy: +/- 5% (use the IV set calibrated)				

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f	KVO Rate: 1- 5ml/h (it can be adjusted by Professional Medical personnel)				
g	Display Information : Flow rate, Total Volume, Accumulated infusion volume, residual time				
h	Alarm Function: Near end, KVO State, low battery, no power, pressure failure, door failure, air bubble, door open, occlusion, infusion reminder, communication failure and motor failure.				
i	Air Bubble Detector: Ultrasonic				
j	Sensitivity for air bubble detector: 0.01-0.14 ml (it can be adjusted by professional medical personnel)				
k	Power Supply: AC 100 - 240 V, 50/60 Hz or DC: 12V				
l	Rechargeable Li-Polymer battery, 7.4 V/3500mAh				
m	Special Safety Measures:				
n	Accompanying IV -set clamp prevents liquid flowing freely when the pump door opens accidentally				
o	Air Bubble Detector with high accuracy prevents air bubbles from entering patients body				
p	Pressure sensor prevents occlusion for IV Set				
q	A.B.S system, when the high-voltage occlusion alarm appears, stop infusing immediately, and eliminate the pressure of the IV set automatically, which prevents instantaneous high-dose injection from the sudden obstruction disappearing				
r	Infusion parameters during infusing are protected against being changed arbitrarily				
s	With password protection function (in system parameter setting and IV set type interface)				
t	FUNCTIONS:				
u	Flow control with high accuracy ensures optimum therapeutic effect				
v	Be compatible with most standard IV Sets				
w	New IV set provided by user can be calibrated by suppliers, and infusion parameters can be input into the pump, which ensures accuracy				

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x	3.5 to 4.5 inches range TFT-LCD				
y	11) A.B.S - Anti Bolus systems prevents instantaneous high dose infection from the sudden obstruction disappearing				
z	Stop infusing automatically during alarm (except for "NEAR END" , KVO, and LOW BATTERY alarms)				
a.a	Alarm Volume can be adjusted				
b.b	Power Supply : AC/DC and built-in lithium battery				
c.c	Compact Aluminum enclosures and robust construction				
d.d	USB Port is convenient for technical personnel to update software				
e.e	Infusion pump can be mounted on infusion pole in many directions by the versatile bracket				
f.f	Infusion parameters can be saved after power off				
g.g	ACCESSORIES				
h.h	A versatile Basket				
i.i	A power cord				
j.j	A user English Manual				
3	LABORATORY AIR PURIFIER	2	UNIT	₱600,000.00	₱1,200,000.00
a	Air purifier Filtration of particles, aerosols, viruses, bacteria, allergens in public rooms (room mounted)				
b	Dimension: W592 x D 892 x H 303				
c	Air flow: mm 300 m ³ /H				
d	Voltage: 80-240 VAC 50/60 Hz				
e	Noise Level: from 39 to 50 db(A) at 1 m				
f	Power consumption : 50 watt				
g	Weight: 31 kg				
h	External: Width (mm/in) 592/23.25				

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i	External Depth: (mm/in) 892/35.25				
j	Airflow: (m3/H/ 175 cfm				
k	Safety standards: EN1822: 1998 (HEPA H14 & ULPA U17 Filters) CE Marking UL Listed				
l	Operating Mode: 24/7, day/night, alerts				
m	Communication Interface: Simple communication by LED Pulsations: fan settings, usage timer, fan failure, automatic filter performance detection				
n	Metallic Frame: Anto-corosion steel coated with 100% polyester				
o	Filtration module: Aluminum				
p	Terms and Condtions:				
	1 year warranty				
	Free 2 year preventive maintenance and calibration (twice a year visit from service engineer or as ned arises)				
	Free extra filter and other consumables for 2 units.				
				GRAND TOTAL	₱3,040,000.00