

Prince hamzeh hospital
Directorate of Biomedical Engineering
Technical Specifications for Laboratory Equipments

Item Description: Blood Gas Analyzer

Class No. (18-617)

Qut : (8)

No.	Technical Specifications	Min PHH Requirement	Bidder offer
1	Manufacturer	Please specify manufacturer and country of origin & country of manufacturer	
2	Model number	Please specify model number	
3	Safety standard	FDA approval or CE marking	
4	Configuration	Compact without gases, tanks or regulators	
5	Application	For ICU, CCU, PFT, Emergency and pediatrics	
6	Principle of measurement	Sensor OR cartridges technology	
7	Electrodes	Zero maintenance electrodes OR cartridges OR sensor	
8	Parameters	Should be Measured directly for - PH, P _{CO2} , P _{O2} , Co-ox, Na, K, Cl, THb And calculated for HCO ₃	
9	Calculated parameters	Should have minimum 10 calculated parameters (Please specify)	
10	Analysis time	120 sec. for full panel or better	
11	Sample volume	Not more than 250µl for full panel	
12	Control	Microprocessor controlled	
13	Display	LCD, LED, Touch screen	
14	Sample type	Whole blood from syringe or capillary	
15	Reagents level monitoring	Included	
16	Archive	Must be stored number of samples and quality control (separately)	
17	Calibration	Auto calibration	
18	Quality control	- Auto quality control with programmable facility and must be provided (FOC) based on one set (three levels) per day per unit for all period of contract. - Internal or external quality control and must be provided (FOC) for all period of contract.	
19	Barcode reader	For sample and reagents	
20	Alert indicators	For hardware and software failure	
21	HIS/LIS interface	Included	
22	Printer	Included	
23	Reagents	Integrated in the analyzer	
24	Startup kits	Included for 30 sample (must be provided (FOC))	
25	Accessories, consumables, controls, calibrators and quality controls	Must be provided (FOC) and all other necessary accessories or consumables needed for all period of contract	
26	Extra reagent	Must be provided (FOC) for all cycles (cleaning, calibrations, QC and services) for all period of contract with separately item in the offer	
27	Blood clotting removal mechanism	Included	
28	Power supply	220 V / 50 Hz	

Note: Bidder must answer with YES or NO in the "BIDDERS OFFER" Field

Equipment Distribution Locations:

مستشفى الأمير حمزة