

Automatic Hematology Cell Counter (3 Part)

S.N.	Purchaser's Specifications	Bidder's Compliance Sheet			
		Yes	No	Page No. in Catalogue	Remarks
	Automatic Hematology Cell Counter (3 Part)				
	Manufacturer				
	Brand				
	Type / Model				
	Country of Origin				
1	Description of Function				
1.1	Automated blood cell counter is used to count various types of blood cells in the blood.				
2	Operational Requirements				
2.1	Automatic blood cell counter that measures minimum 18 parameters including 3-part differential of WBC is required.				
3	System Configuration				
3.1	Automatic Cell Counter, complete unit with all standard accessories.				
4	Technical Specifications				
4.1	Measurement Principle Electrical impedance method (WBC, RBC, HCT, PLT) colorimetric method (HGB).				
4.2	Sample volume: Whole blood up to 30 µL.				
4.3	Throughput (approx): 30 samples per hour or better				
4.4	Linearity Ranges				
	WBC $0.5-115 \times 10^3/\mu\text{L}$.				
	RBC $0.20-7.50 \times 10^6/\mu\text{L}$.				
	HGB 2.0-25.0 g/dL				
	PLT $10-1800 \times 10^3/\mu\text{L}$.				
4.5	Dual Counting Chamber				
4.6	It should use cyanide free hemolyzing reagent.				
4.7	Reproducibility (CV):				
a	WBC: < 2 %				
b	RBC: < 2 %				
c	HGB: < 1.5%				
d	PLT: < 5%				
4.8	The sampling probe must be automatically cleaned off, so that any blood stack doesn't occur.				
4.9	On board memory for minimum 1000 tests records including histogram.				
4.10	Automatic start-up, self-checks, rinsing and cleaning.				
5	Accessories, spares and consumables				
5.1	Shall provide sufficient kits as a start-up kit complete with reagents, controls, calibrators, accessories, washers etc. free of cost.				
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).				
6	Operating Environment				

6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.				
6.2	Power supply: 220 - 240 VAC, 50Hz fitted with appropriate plug. The power cable must be approx. 3 metre in length.				
6.3	Suitable UPS for minimum 30 min. back-up shall be supplied with the system.				
7	Standards and Safety Requirements				
7.2	USFDA approved product certificate and/or CE-IVD certificate				
8	User Training				
8.1	Must provide user training (including how to use and maintain the equipment).				
9	Warranty				
9.1	Comprehensive warranty for 1 year and extra 1 year free AMC				
10	Maintenance Service During Warranty Period				
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.				
11	Installation and Commissioning				
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.				
12	Documentation				
12.1	User (Operating) manual in English.				
12.2	Service (Technical / Maintenance) manual in English.				
12.3	List of important spare parts and accessories with their part numbers and costing.				
12.4	Certificate of calibration and inspection from factory.				

Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.

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