


SPECIFICATION OF FULLY AUTOMATED HAEMATOLOGY
ANLYSER FOR C.HOSPITAL, WCR,JABALPUR

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1. **PARAMETERS:-** Should be a fully Automated hematology analyzer with 18 parameters 3 part differential, 3 Histograms for Platelets WBC & RBC with RDW-SU or RDW -CV.
2. **PRINCIPLE:-** Electrical Resistance detection or Electric impedance for WBC, RBC, and Platelets. Non Cyanide method for Haemoglobin.
3. System should have the separate Neutrophil counts in differential WBC's count.
4. System should have the Hydrodynamic focusing DC detection method for RBC & Platelets count.
5. **DATA STORAGE:-** System should have the memory of atleast 100 samples with 3 histograms.
6. **SAMPLE VOLUME:-** 10- 50 micro lt. Capillary mode for small Volume.
7. It should have automatic start up ,shutdown facility.
8. The system should ensure precise operational monitoring process so that precise volume is aspirated during analysis to ensure precise & accurate results.
9. Automatic probe cleaning and have computer interface capability.
10. System should have the facility of whole blood & Prediluted blood.
11. **PRINTER:-** Internal Thermal Printer to print result in various formats with external Printer facility also.
12. **SPEED:-** Should be 60 samples per hour.
13. System should have a inbuilt help menu , Auto probe wiping facility
15. **QUALITY CONTROL:-** System should be supported by Internal & External quality control programme.
16. The system should have a low cost per test . All reagents required and spares should be available locally from the company or it's authorized distributor.
17. Manufacturer of the system should have a world wide reputation for high quality & reliable system & the distributor should have a wide network of Local trained technical service & application support system & previous customers list with satisfactory performance report.

APPROXIMATE COST
RS. 5,25,000/-

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