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Product Name :

18 parameter Haematology Analyser

Product Code :

SLE/CL/76



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Description :

18 parameter Haematology Analyser (Product Code: SLE/CL/76) is an automated bench-top analyser for the complete blood count (CBC) with a 5-part white-cell differential, intended for routine haematology on whole blood. It combines flow-cytometry, colorimetry and electrical impedance to count and size red cells, white cells and platelets and to measure haemoglobin, processing 50 to 100 samples per hour. District and teaching hospitals, private diagnostic centres and larger clinics use this class of instrument as the core of their haematology bench. It is available from a laboratory equipment supplier in India, **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Method	Flow-cytometry, colorimetry, electrical impedance
Sample	Whole blood
Scope	Complete blood count (CBC) with 5-part differential, for routine haematology
Platform	Bench-top, open, automated system
Throughput	50 to 100 samples per hour
Parameters listed	RBC, WBC, HGB, HCT, MCV, MCH, RDW-SD, RDW-CV, PLT, PDW-SD, PDW-CV, MPV and WBC differential (neutrophils, lymphocytes, monocytes, eosinophils, basophils)
Data management	Built in for analysis and reporting; stores at least 100 patient data, including quality control and calibrators
Reporting	Via external printer; printouts show sample ID, date and time, with graphs, histograms and scatter graphs
Quality control	Flags abnormal results; auto-calibration
Connectivity	External PC via USB; can interface to LIS (Laboratory Information System)
Casing	Corrosion-proof material
Environment	Tolerates harsh conditions such as high humidity; operating temperature 15°C to 35°C
Power requirements	220V/50Hz, with voltage surge protection

Typical Use

Venous blood collected into an anticoagulant tube is mixed gently, presented to the analyser and aspirated automatically. Within the run, impedance counting sizes red cells and platelets, colorimetry measures haemoglobin, and flow-cytometry separates the white cells into neutrophils, lymph
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