

3 DIFF - AUTO HEMATOLOGY ANALYZER

LM 1011



EXPERIENCE

THE

EFFICACY



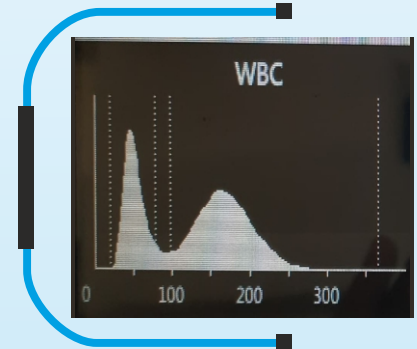
New Generation
3 Part Differential
Hematology Analyzer



BENEFITS

State-of-the-Art Technology for Absolute Accuracy of Results:

- Gold Standard Electrical Impedance Technology for measuring WBC, RBC & PLT
- Cell pulse base line tracking and restore technology for anti-interference and accurate results
- High voltage burning technology ensures no clogging
- Intelligent floating threshold for reliable result



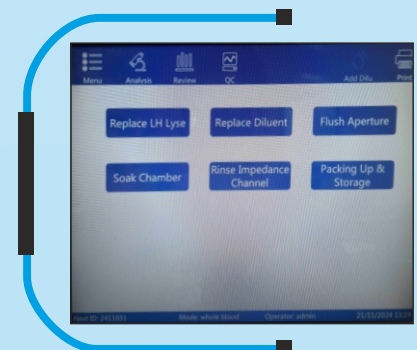
Special Parameters: PLCC, PLCR

- PLCC (Platelet Large Cell Concentration) & PLCR (Platelet Large Cell Ratio) An indicator of microcytic RBC or clumped platelets indicating possible thrombosis



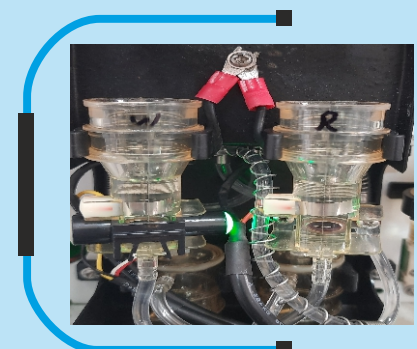
Intelligent Maintenance System:

- Automatic fault detection and fault elimination
- Advance flagging system
- Built-in Liquid sensor technology for monitoring reagent level
- Effective QC management system for enhanced performance



Simple & Effective Design:

- Minimum Hydraulics & PCBs
- High quality pumps
- Special Lyse Compartment



EFFECTIVE FEATURES

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New Generation 3 Part Differential Hematology Analyzer



High Accuracy & Reliability

- State-of-the-art technology ensures absolute accuracy of results
- Whole Blood (WB) mode as well as Pre-dilute (PD) mode for low sample volume
- Intelligent flagging system
- Superior and high quality pumps

User Friendly Design and Easy Operation

- A versatile and powerful software with ease In operation
- Large 10.4" LCD colour touch screen with facility to attach external mouse and keyboard
- On-board graphic printer with a facility to attach external printer, optional LIS facility

Smart Maintenance System

- Alarm system for insufficient of reagents
- Smart alarm system for Indication of any error during operation
- Automatic fault detection helps in taking corrective action by eliminating the errors

Safe & Secure

- Two reagents system (Diluent & Lyse) for complete results, Special Lyse Compartment
- Effective Probe cleaner for maintenance
- Non-toxic & biodegradable reagent system



SPECIFICATIONS

Throughput	- 60 T/hr
Display	- 10.4 Inch LCD touch screen
Principles & Technologies	- WBC, RBC & PLT: Impedance, HGB: Colorimetric
Number of Parameters	- 21 +3 histograms
Parameters	- WBC: LYM#, MID#, NEUT#, LYM%, MID%, NEUT%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, PLCR, P-LCC ,
Histograms	- 3: WBC (3-part differential), RBC, PLT
Sample Volume	- WB mode: 10 μ l, Pre-dilutate: 10 μ l
Performance Linearity	- WBC: 1.0-99.9 x 10 ⁹ /L, RBC: 0.1-8.0 x 10 ¹² /L HGB: 20-250g/L, PLT: 3-999 x 10 ⁹ /L
Data Storage	- 50,000 results with histogram
Reagents	- Diluent: 20L, Lyse: 500ml, Probe cleaner: 50ml
Reagent	- Diluent & lyse: Sample analysis Probe cleaner: Maintenance
Peripheral Options	- Internal Thermal Printer, Optional External Printer, Optional USB Mouse & Keyboard, 4 USB ports, LIS
Power Supply	- 100-230 VAC, 50/60 Hz \leq 150 VA
Operating Environment	- Temperature: 10°C to 35°C, Relative Humidity: 20%-85%
Dimension	- 430mm* 280mm* 400mm (D*W*H)
Blockage Clear	- High voltage, high pressure flush
Net Weight	- 16 Kg

