

25 parameters

WBC, LYM%, MON%, NEU%, EOS%, BAS%, LYM#, MON#, NEU#, EOS#, BAS#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW_CV, RDW_SD, PLT, MPV, PDW, PCT, P_LCR, P_LCC,
6 research parameters: ALY#, ALY%, LIC#, LIC%, NRBC#, NRBC%
2 histograms for RBC and PLT
2 scatter grams: 5-part differential scatter gram
Eosinophils and Neutrophils scatter gram

Principles of operation

WBC/DIFF: flow cytometry, semi-conductor laser light multi-dimensional cell classification
WBC analysis: optical and impedance measurements
RBC/PLT analysis: impedance method
HGB test: cyanide-free reagent colorimetry

Reagent

Diluent, detergent, lyse, sheath

Sampling modes & aspiration volume

Whole blood: 20 µL, pre-diluent: 20 µL

Aperture diameter

WBC 100 µm, RBC/PLT 68 µm

Throughput

Whole blood: up to 60T/H, pre-diluent: up to 60T/H

Data storage

Up to 200,000 sample results with grams

Alarms

Error messages & pathological flagging

Display

10.4-inch color touch screen

Power

AC 100–240V, 50/60Hz, 250VA

Dimension

490 mm (L) × 459 mm (W) × 332mm (H)

Weight

About 35 kg

ASPEN-5100

5-Part-Diff Hematology Analyzer

25 Reportable Parameters + 6 RUO Parameters

Flow Cytometry (FCM) + Multi Angle Scatter Separation (MASS)

Throughput up to 60 samples/hr

Resistant RBC mode

Multi-language Software available

* The product specifications are subject to change without prior notice owing to product modification, information/upgradation



Manufactured By:
Aspen Laboratories Pvt. Ltd.
B-82, G.T. Karnal Road, Industrial Area, Delhi-110033

Local Contact



Aspen Laboratories Pvt. Ltd.

www.rapiddiagnostic.in



- 25 parameters, 2 histograms, 2 scatter grams
- Hourly throughput up to 60 samples
- Minimized design of 5-part
- The combination of WIC and WOC for WBC counting
- Impedance method for RBC and PLT counting
- Cyanide free reagent for hemoglobin counting
- On board storage capacity of 200,000 samples with all grams
- Support variety of external color printers
- LIS and HIS available with HL7 protocol



Sheath Flow Regulation

- Chemical dye free technology
- Only sheath reagent for WBC 5-diff



Laser Scatter

- Multi-angle scatter separation (MASS)
- Original cell morphology signal
- Stable and long-lasting



Diluting Unit

- Separation system for motors and syringes
- Ceramic syringes
- High precision motors



Electronic & Mechanical Components

- Individual quality control management



Operation Interface

- Simple touch operation with user friendly illustrated icons
- Handy tool tips



QC Support

- QC Support and L-J, X, X-R, X-B, etc. available



2D Grams

- Two 2D histograms: RBC and PLT
- Two 2D scattergrams: 5-part differential Eosinophil and Neutrophil



Data Management

- On board storage capacity of 200,000 sample results
- Professional data statistics query system