

Eurocount 5L Auto-Loader

5 Part (Upto 7 Part) Differential Hematology Analyzer



SPECIFICATIONS

Sampling Modes

Autoloader:
50 tubes position, random direction tube barcode scanning technology
Close Tube:
STAT priority, supports both whole blood and capillary blood samples

Operating Temperature & Humidity

15-30°C, Reliable humidity 30-85%

Specimen Volume

CBC mode: 10µl
Diff. mode : 20µl

Power Supply

100V-240V, 50Hz/60Hz

Quality Control

3 Controls (Low, Normal, High)
QC results compatible with L-J, X-B etc.

Research Parameters:

ALY#, ALY%, IG#, IG%
2 Histograms, 2 Scattergrams

Parameters & Performance Data

WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, PDW, MPV, PCT, P-LCR, NEU#, NEU%, LYM#, LYM%, MON#, MON%, EOS#, EOS%, BAS#, BAS%

Performance

Linearity	Linear Limits	Carryover	CV
WBC	1.0-99.9x10 ⁹ /L	≤ 1.0%	≤ 2.0%
RBC	0.3-7x10 ¹² /L	≤ 1.0%	≤ 1.5%
HGB	20-240g/L	≤ 1.0%	≤ 1.5%
PLT	20-999x10 ⁹ /L	≤ 1.0%	≤ 4.0%

Throughput

Autoloader Mode : 60 Samples/hour
Close Tube Mode : 60 Samples/hour

Test Mode

CBC+5DIFF,
CBC

Dimension & Weight

	Height	Width	Length	Weight
Analyzer	61cm	76 cm	61 cm	75 kg



Eurocount 5L Auto-Loader



5 Part (Upto 7 Part) Differential Hematology Analyzer

Solution For Large Size Laboratories



MEDSOURCE OZONE BIOMEDICALS PVT. LTD.

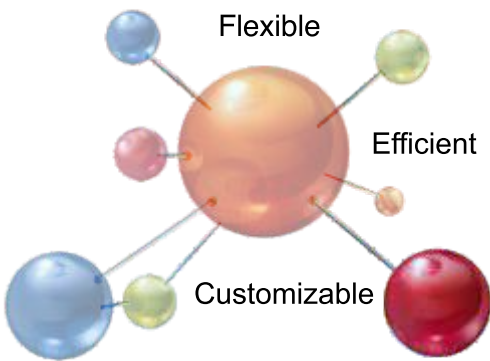
PLOT NO. 109, HSIIDC, SECTOR- 31, FARIDABAD, HARYANA (INDIA)-121003

+91-129-4286600 mail@ozonebio.com www.ozonebio.com

The Performance you need from a Hematology Analyzer

Designed to handle high workload

- 60 samples per hour throughput
- Adjustable sleeping mode
- Auto-Loader with continuous tube loading
- On board barcode reader
- Cap piercing in-built
- On board blood mixer
- 50 tubes walkaway capability



On board data management with a focus on traceability

- 1,00,000 results storage including histogram and scattergram
- Multi point format including self defined format

Upto 28 parameters with

- ALY & IG
- Smart flagging



Platform Performance

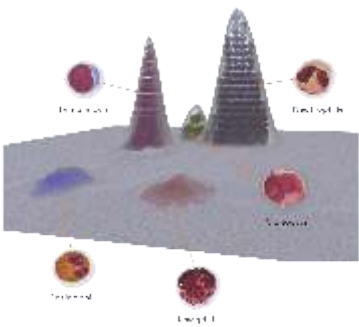
- Stat sampling on open or closed tubes
- 2 histograms, 2 Scattergrams
- Micro-sampling on whole blood
- LIS interface with HL7 protocol
- Easy maintenance
- Proven hardware for Indian conditions



Serving patients with the best technology

Precise, reliable results from 3-D Topographic Maps for WBC

Cytomorphology is a useful way of 5-part differentiation of WBC according to the size, complexity and granularity of the cells. The multiple scatter light beams are used to detect the WBC, which is named as the 3-D Topographic Map technology. The forward small angle laser beam, the forward large angle laser beam and the lateral laser beam stand for the different properties of the WBC.



Constant Linear Sheath Flow

A most important technology is to ensure the WBCs are passing the laser beam one by one, when the sheath flow passes the unique designed square counting chamber. As the diameter of the WBC will not be too different from the diameter of the transversal surface of the chamber, the WBC are fixed in the middle of the sheath flow passing the square chamber constantly with a high speed. This constant linear sheath flow ensures the accuracy of the WBC counting.



Integral Titanium Incubation System

An integrated titanium incubation system is adopted to keep the reagent and the sample in the same constant temperature which facilitates the complete reaction. This is a key technology to ensure the accuracy of 5-part differentiation.



The analysis process to deliver reliable results

2 Test modes

- CBC+5 Diff modes
- CBC Mode



Single sampling needle for both rack and STAT mode

- Innovative auto loader for perfect sampling
- Piercing, mixing and optimized loading



Multi-warning system

- Reagent inventory check
- Abnormal original data warning
- Multi warning flags

