

Eurocount 5L (Auto-Loader)



5-Part (Upto 7 Part)

Solution For Mid & Large Size Laboratories

The Performance you need from a Hematology Analyzer

A real Throughput:

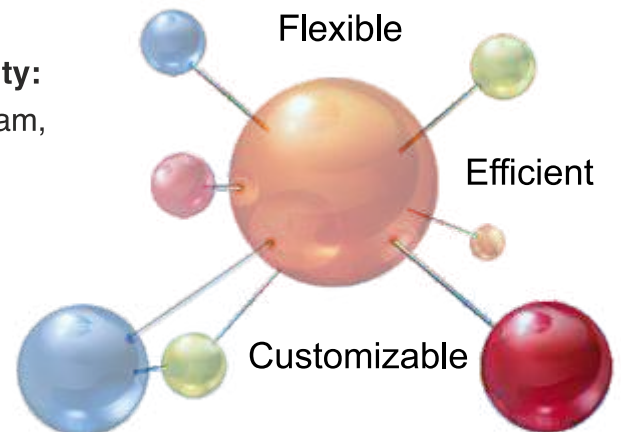
60 Sample per hour,
Adjustable sleeping mode

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,
Large capacity auto-loader (100 tubes)



Platform Performance

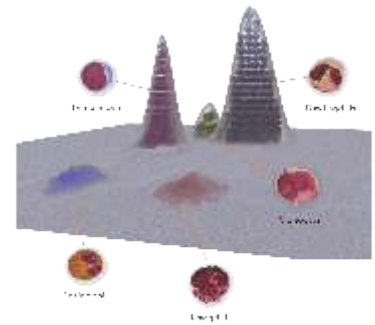
- Stat sampling on open or closed tubes
- 2 histograms, 2 Scattergrams
- Micro-sampling on whole blood
- LIS interface with HL7 protocol;
- Easy maintenance



Serving the patient with the best technology

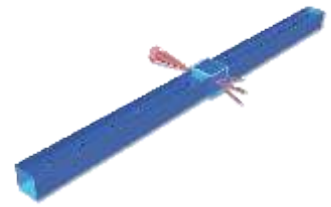
Precise, reliable results from 3-D Topographic Maps for WBC

Cytomorphology, is an 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 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 WBC 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. laser beam and the lateral laser beam stand for the different properties of the WBC.



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 the key technology to ensure the accuracy of 5-part differentiation.



The analysis process to deliver reliable results >>

2 Test modes:

- CBC+5 Diff mode
- CBC Mode



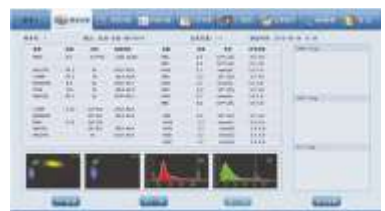
Single sampling needle for both rack and STAT mode

- Innovative auto loader for perfect sample
- Mixing and optimized loading



Multi-warning system

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



Eurocount 5L

5-Part (Upto 7 Part)



PHYSICAL SPECIFICATION

Dimension & Weight:

| | Height | Width | Depth | Weight |
|----------|---------|---------|---------|---------|
| Analyzer | 61cm | 57cm | 46cm | 53 kg |
| | 24 inch | 22 inch | 18 inch | 117 lbs |

Throughput:

Autoloader Mode : 60 Samples/hour

Close Tube Mode : 60 Samples/hour

Test Mode:

CBC+5DIFF, CBC

Operating Temperature & Humidity

15-30°C, Reliable humidity 30-85%

Specimen Volume

CBC mode:

Diff. mode: 20µl

Power Supply

100V-240V, 50Hz/60Hz

Quality Control

3 Controls (Low, Normal, High)

QC results compatible with L-J, X-Betc.

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%

Research Parameters:

ALY#, ALY%, IG#, IG%

2 Histograms, 2 Scattergrams

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% |

Sampling Mode:

Autoloader:

50 tubes position, random direction tube barcode scanning technology

Close Tube:

STAT priority, support both whole blood and capillary blood samples



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