

# Eurocount 5S

A smart start to 5-part hematology



## TECHNICAL SPECIFICATIONS

### • PRINCIPLES

#### WBC

Flow Cytometry (FCM) + Laser light scatter + Cytochemical staining method

#### RBC/PLT

Electrical impedance method

#### HGB

Non-Cyanide photometric method

### • PARAMETERS

#### 25 report parameters

WBC, Bas#, Bas%, Neu#, Neu%, Eos#, Eos%, Lym#, Lym%, Mon#, Mon%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC.

### • 4 research parameters

ALY#, ALY%, LIC#, LIC%

### • 2 histograms for RBC, PLT

### • 4 scattergrams for WBC differential

### • PERFORMANCE

Parameter	Linearity Range	Precision	Carryover
WBC	0-100×10 <sup>9</sup> /L	≤2% (3.5-15×10 <sup>9</sup> /L)	≤0.5%
RBC	0-8×10 <sup>12</sup> /L	≤1.5% (3.5-6.0×10 <sup>12</sup> /L)	≤0.5%
HGB	0-250g/L	≤1.5% (110-180g/L)	≤0.6%
PLT	0-1000×10 <sup>9</sup> /L	≤6.0% (100-149×10 <sup>9</sup> /L) ≤4.0% (150-500×10 <sup>9</sup> /L)	≤1.0%

### • DATE STORAGE CAPACITY

Up to 50,000 results memory with scattergrams and histograms

### • COMMUNICATION

LAN port supports HL7 protocol

### • INTERFACE

4 pcs USB ports, 1 pc Ethernet port Support for uni-directional LIS Support for printers, keyboard, mouse, barcode scanner

### • SAMPLE VOLUME

Whole blood mode: 20µl, Capillary Whole blood mode: 20µl, Prediluted mode: 20µl

### • PRINTOUT

External Laser printer / Inkjet printer / thermal printer Various printout formats and user-defined formats

### • OPERATING ENVIRONMENT

Temperature: 10-30°C  
Humidity: 70% max

### • MACHINE DIMENSION AND WEIGHT

Width x Height x Depth: 325mm\* 465mm\* 470mm\*  
Weight: 30Kg

### • PACKAGE DIMENSION AND WEIGHT

Length x Width x Height: 630mm\* 490mm\* 630mm  
Weight: 35Kg

### • THROUGHPUT

Up to 60 samples per hour

### • DISPLAY

10.4 inch color touch screen

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## Compact, Consistent with Clinical Excellence

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## Automatic 5 part Hematology Analyzer



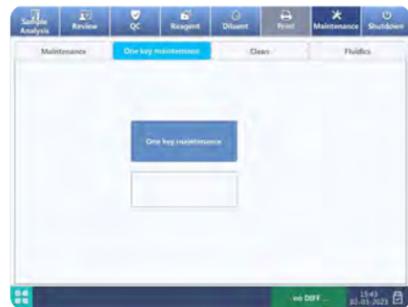
The Eurocount 5S: Fast, 29-parameters CBC at you fingertips.

Compact, Reliable and built for affordable on-site hematology.



### Compact And Powerful

- Space-saving compact design
- Up to 60 samples per hour
- 10.4 inch large touch screen
- 29 parameters + 4 scattergrams + 2 histograms

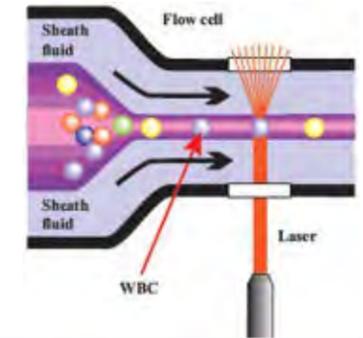


### Easy to Use

- One button analysis
- Cutting-edge technology
- Dual WBC differential channels
- Smart maintenance system

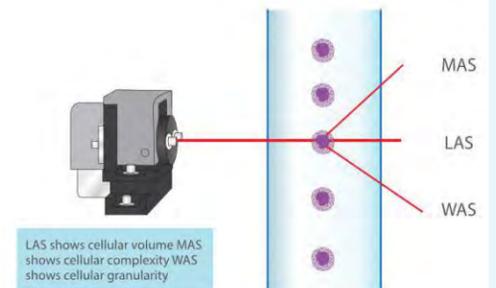
### DUAL ACCELERATION FLOW CELL SYSTEM

Reduces the velocity gap between sheath flow and blood cells, providing a more stable signal for accurate measurement via laser scatter.



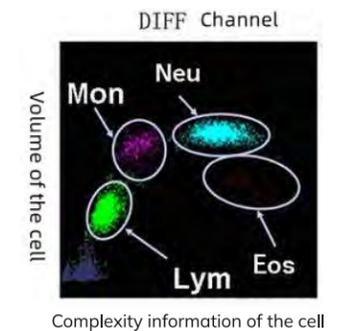
### LATEST INNOVATION TRI-ANGLE LASER SCATTERING

The tri-angle laser scattering contributes to more accurate counting. The optical detector receives scatter light signals and converts them into electrical pulses.



### CHEMICAL DYE METHOD BY ORIGINAL REAGENTS

The basophils and eosinophils are differentiated by the unique chemical dye method. The reagents, control and calibrator materials act as one complete system to ensure high accuracy in differentiating between basophils and eosinophils.



### TWO SEPARATE CHANNELS TO DIFFERENTIATE WBC

Counts lymphocyte, monocyte, neutrophil and eosinophil in "Diff" channel, and basophil in a separate "Baso" channel. Optical method to test Basophil provides more reliable information about cell physiology.

