



BIOELAB



*Smart design
Accurate and reliable*

EC-518

5-Diff Auto Hematology Analyzer



Throughput: 60 samples per hour

Compatible with at least 15 types of USB printers

Powerful abnormal result alarm capability



Friendly operating interface, one click to reach

Equipped with 10.4 inch true color touch screen, convenient and intelligent , flexible and adaptable.



Micro blood collection , accurate and reliable

micro blood for testing :
The minimum consumption for a single test is 15 μ L.



Original reagents and consumables, less reagent consumption

Using only two lyses, low testing costs, save reagents.

EC-518

5-Diff Auto Hematology Analyzer

Features:

- Sheath Flow cytometry+Tri-angle laser scatter technology
- WBC 5-part differentiation, 25 reportable parameters and 12 research parameters, 3 histograms, 3 DIFF scattergrams and 1 BASO scattergram
- Double optical counting channel including for DIFF and basophil measurement
- Whole blood mode(CBC, CBC+DIFF), Pre-diluted mode(CBC, CBC+DIFF)
- Powerful analysis ability for abnormal cells
- 10.4 inch large TFT Touch Screen with user-friendly software, support connecting with multiple types USB printers directly.
- Large storage capacity: up to 50,000 samples
- Throughput: 60 samples per hour
- Low sample consumption 15 μ L per test
- Compact in size and lower weight
- High precision in linearity range
- Good repeatability and low carryover
- Lost counting optimize algorithm about High PLT

60 samples per hour
Rich research parameters

Equipped with one-click troubleshooting technology
Quickly eliminate faults and ensure efficient use



EC-518

5-Diff Auto Hematology Analyzer

Technical Specifications

Principles

Sheath Flow cytometry(FCM)+Tri-angle laser scatter method for WBC 5-part differential analysis and WBC counting

Impedance method for RBC and PLT counting

Cyanide free reagent for hemoglobin Measurement

Parameters

25 report parameters:

WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#,

RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR, P-LCC

12 research parameters:

LIC%, LIC#, ALY%, ALY#, PLT Clumps#, PLT Clumps%, Lip#, Lip%, NRBC#, NRBC%, Blast#, Blast%

3 histograms for WBC, RBC and PLT

3 DIFF scattergrams and 1 BASO scattergram

Reagent

Hematology analyzer lyse, Hematology analyzer diluent support , Probe cleanser

Performance

Parameter	Linearity Range	Repeatability	Carryover
WBC	0-500*10 ⁹ /L	2%(3.5-15*10 ⁹ /L)	0.5%
RBC	0-8*10 ¹² /L	1.5%(3.5-6*10 ¹² /L)	0.5%
PLT	0-5000*10 ⁹ /L	4%(150-500*10 ⁹ /L)	1%
HGB	0-250g/L	1.5%(110-180g/L)	0.5%

Sample Volume

Whole blood 15μL, prediluted blood 20μL

Blood sample mode

Venous whole blood, pre-diluted blood, peripheral whole blood

Throughput

60 samples per hour

Display

10.4 inch TFT Touch Screen

Multi-language

English, Option: Chinese, Portuguese, Spanish, Russian, French

Data Storage Capacity

Up to 50,000 results including numeric and graphic

Communication

LAN port supports HL7 protocol

Interface

4 USB ports, 1 LAN port, bi-directional LIS connection

Printout

Support multiple usb laser printer/Inkjet printer, various printout formats.

Operating Environment

Temperature: 10 - 30°C

Humidity: 20% - 85%

Air pressure

61.6Kpa-106Kpa

Power requirement

100-240VAC, 50/60Hz

Dimension

420mm (L) *295mm (W) *430mm (H)

Net Weight

≤24kg

E-LAB Biological Science & Technology Co., Ltd.

The customer service hot line

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E-LAB reserves all rights to make any modification of machine without prior notice.

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