

Alphacount 5P

5-Part Hematology Analyzer



Accuracy • Intelligence • Reliability • Economy

- The brand-new automated 5-part differentials hematology analyzer.
- Tri-angular laser scatter + Flow cytometry for 5-part WBC counting.
- Independent BASO counting channel.
- Whole Blood, Peripheral Blood, Pre-diluted blood.
- Throughput of 60 samples/ hour.
- 29 parameters (including 4 research parameters).

Alphacount 5P

Partner Line Range

SPECIFICATIONS

• Principles

Electrical impedance, Colorimetry;
Laser scattering method

• 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;
ALY#, ALY%, LIC#, LIC%;
WBC Histogram, RBC Histogram, PLT Histogram;
2D DIFF Scatter gram x 3; 3D DIFF Scatter gram x 1;

• Testing mode

CBC, CBC+DIFF

• Sample consumption

Whole Blood: 15ul (CBC+DIFF+CBC)
Pre-diluted 20ul(CBC+DIFF+CBC)

• Reagents

RD-50 Diluent, RL-50D lyse, RL-50H lyse

• Throughput

60 S/H

Test	Linear range	Carry -over	CV (Whole blood)
WBC	0-500×10 ⁹ /L	≤ 0.5%	≤ 2.0%
RBC	0-8×10 ¹² /L	≤ 0.5%	≤ 1.5%
HGB	0-250g/L	≤ 0.5%	≤ 1.0%
PLT	0-5000×10 ⁹ /L	≤ 1.0%	≤ 4.0%



• Optional external devices

Bar-code reader, Mouse, Keyboard, External printer

• Sample types

Whole Blood, Peripheral Whole Blood, Pre-diluted blood

• System

Integrated windows system displayed by 10.4 inches
color touch screen.
Bi-directional LIS communication

• Link ports LAN; USB X1

• Working Environment 10°C-30°C; humidity < 85%

• Data storage 100000 results

• Power 110V-240V; 50Hz/60Hz; 400VA

• Printer Internal thermal printer

• Size (mm) 365x 470x 525 Weight 31kg



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