

**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+DIFFCBC)  
Pre-diluted 20ul(CBC+DIFFI 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 <sup>9</sup> /L	≤ 0.5%	≤ 2.0%
RBC	0-8×10 <sup>12</sup> /L	≤ 0.5%	≤ 1.5%
HGB	0-250g/L	≤ 0.5%	≤ 1.0%
PLT	0-5000×10 <sup>9</sup> /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

# 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).

