

Alphacount 5P

Partner Line Range



TECHNICAL 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, PL T Histogram;
2D DIFF Scatter gram x 3; 3D DIFF Scatter gram x 1;

❖ Testing mode

CBC, CBC+DIFF

❖ Sample consumption

Whole Blood: 15 μ l (CBC+DIFFCBC)
Pre-diluted 20 μ l(CBC+DIFFI CBC)

❖ Reagents

AC 5P Diluent, AC 5H Lyse , AC 5D Lyse

❖ Throughput

60 S/H

❖ 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

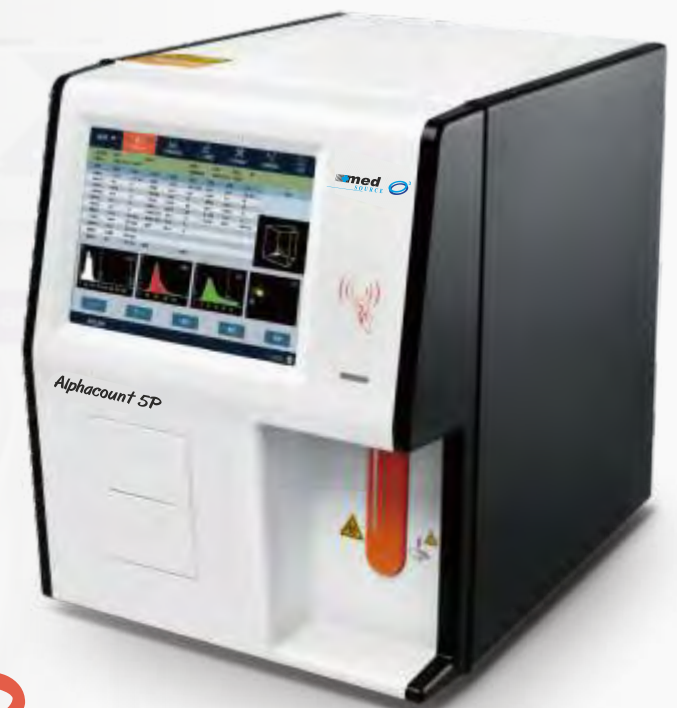
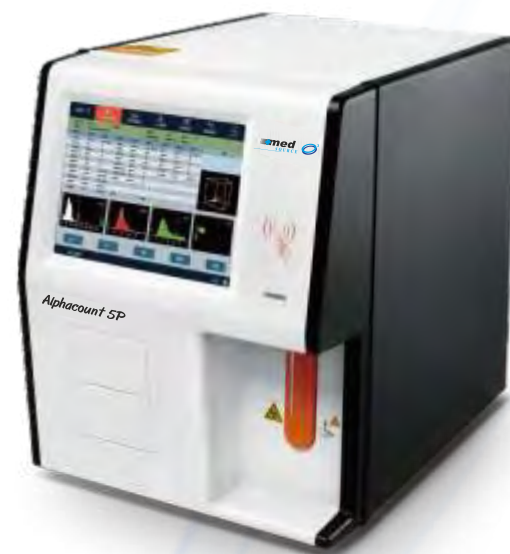
❖ Working Environment: 10°C-30°C; humidity < 85%

❖ 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 differential 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)



MEDSOURCE OZONE BIOMEDICALS PVT. LTD.

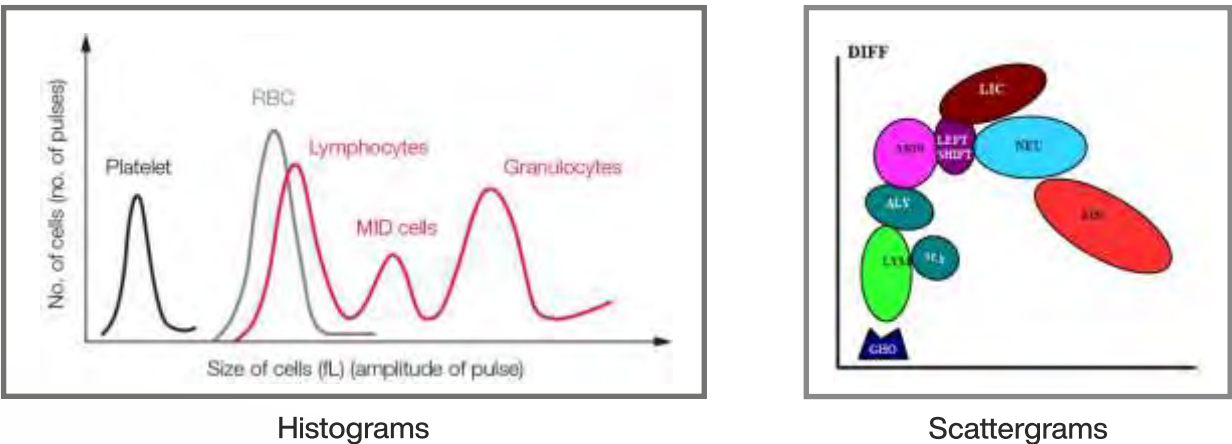
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Upgrade to Automated 5 part Hematology Analyzer

- From 3 part histograms to 5 part scattergrams

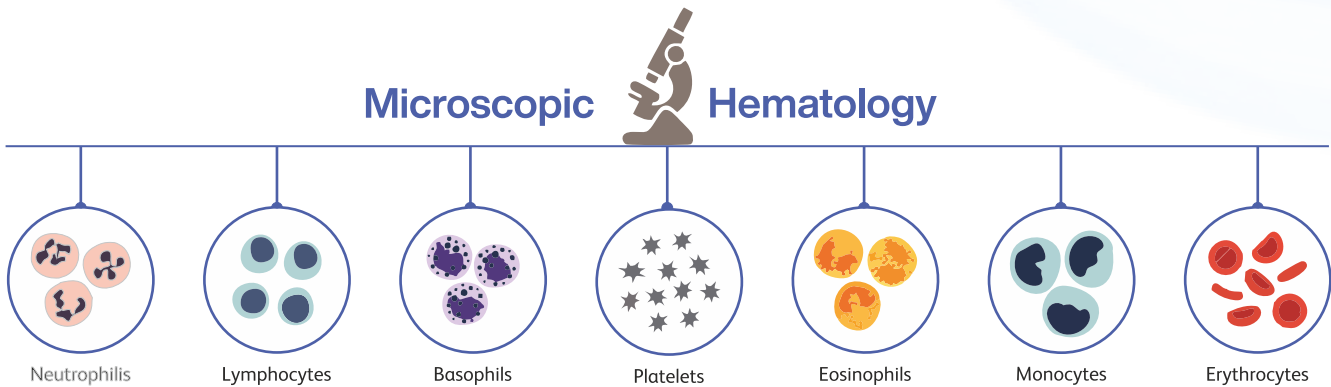


- From mid / granulocyte population to complete WBC differentiation

WBC					
3-part	Granulocytes	Monocytes / Mid-Cells		Lymphocytes	
5-part	Neutrophils	Basophils	Monocytes	Eosinophil	Lymphocytes

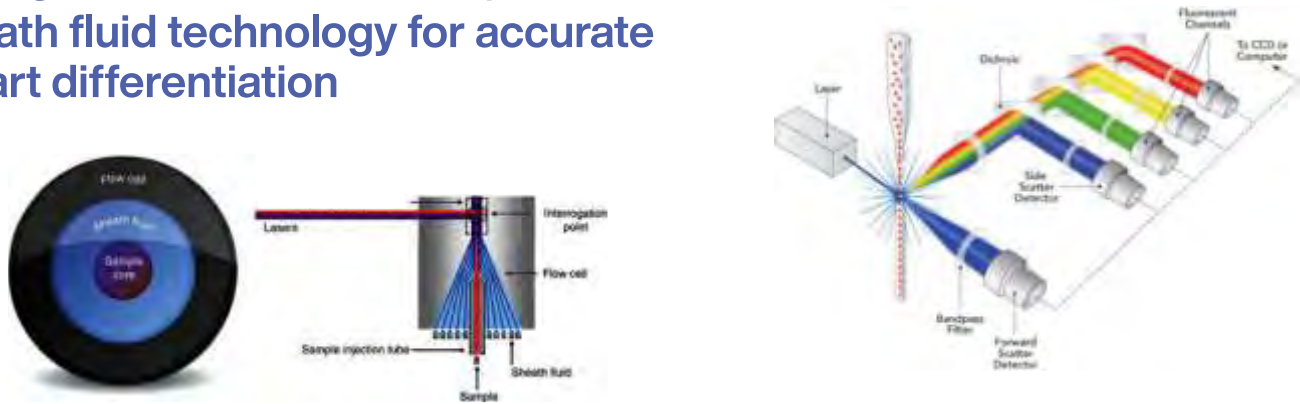
- From manual interpretation of flagged samples to improved accuracy with minimal manual intervention

The most important aspect of automated hematology analyzers is the ability of the analyzer to detect and flag for abnormal samples. Workflow efficiencies can be gained by significantly reducing suspicious flagging and the number of manual differentials. The number of samples that require manual examination can be greatly reduced with more detailed information and improved accuracy provided by a 5-part differential analyzer.



Integrating best in class technologies in a compact entry level 5 part Hematology system

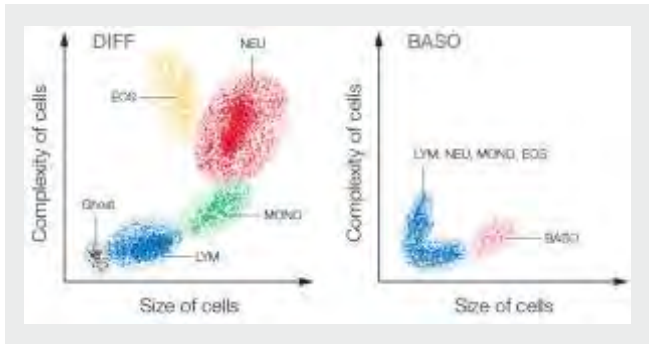
- Tri angle laser scatter flow cytometer with sheath fluid technology for accurate 5 part differentiation



- 29 parameters including research parameters Immature Granulocytes, Atypical Lymphocytes and PLCR/PLCC



3 Histograms +
2D Scattergrams +
3D Scattergram



Dedicated channel for
basophils counting – Further
improvement in accuracy

- Touch screen band software and powerful hardware with high quality components

- Components sourced from globally recognized top of line providers.
- Easy to use touch screen
- On-board printer

