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ZellCOUNTER

Fully Hematology Analyser



SAFE



SIMPLE



QUALITY



ZellCOUNTER

5-Diff Auto Hematology Analyzer

AUTOMATIC 5-PART HEMATOLOGY ANALYZER

Five Differentials, One Insight.

ZellCounter is a 5-part differential auto hematology analyzer combining sheath-flow cytometry, tri-angle laser scatter and impedance counting — 25 reportable parameters.

HOW IT WORKS

White cells are differentiated by sheath-flow cytometry with tri-angle laser scatter across a dedicated DIFF and basophil optical channel; red cells and platelets are counted by impedance, and haemoglobin is measured cyanide-free. Whole-blood and pre-diluted modes each run CBC or CBC+DIFF at 60 samples per hour.

AT A GLANCE

● 5-part

WBC differential

● 25+12

Report + research

● 60/hr

Throughput

● 15 μ L

Sample volume

● 50k

Result storage

KEY FEATURES

- > Sheath-flow cytometry + tri-angle laser scatter
- > Dual optical channel (DIFF + basophil)
- > Impedance RBC/PLT; cyanide-free HGB
- > Whole-blood & pre-diluted (CBC, CBC+DIFF)
- > 3 histograms, 3 DIFF + 1 BASO scattergram
- > One-click troubleshooting; abnormal-cell alarms
- > 10.4 in. touch; up to 50,000 results

SPECIFICATIONS

Principle: FCM + laser scatter + impedance
Parameters: 25 report + 12 research
Throughput: 60 samples/hr
Sample: 15 μ L whole / 20 μ L prediluted
Display: 10.4 in. TFT touch
Interface: 4× USB · LAN · LIS (HL7)
Power: 100–240 V AC, 50/60 Hz
Dimensions: 420 × 295 × 430 mm · $\leq$ 24 kg

REPORTABLE PARAMETERS

GROUP	PARAMETERS
WBC & 5-part diff	WBC, Neu#, Lym#, Mon#, Eos#, Bas#, Neu%, Lym%, Mon%, Eos%, Bas%
RBC & indices	RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD
Platelet	PLT, MPV, PDW, PCT, P-LCR, P-LCC
Research (12)	LIC#, LIC%, ALY#, ALY%, NRBC#, NRBC%, Blast#, Blast%, Lip#, Lip%, PLT Clumps#, PLT Clumps%

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