

MaxCOUNT 3 Part Hematology Analyzer



(A new generation 3-diff hematology analyzer)

General Feature

- 21 parameters with P_LCC, P_LCR and RBC, WBC, PLT histograms
- Throughput up to 60 samples per hour with double chamber design
- Impedance method for WBC, RBC and PLT
- Photoelectric colorimetry method for HGB with cyanide free reagent
- Micro sample volume at 9 μ l for whole blood mode and 20 μ l for pre-dilute mode
- On board storage capacity of 500000 samples results
- Two kinds of QC modes: L-J, and X-B
- Support USB data backup & system upgrade
- Built-in thermal printer
- LIS and HIS available with HL7 protocol



HMT-60P
MaxCOUNT 3 Part Hematology Analyzer

- ✓ Constant 60 Samples/hour
- ✓ 21 Parameters & 3 Histograms
- ✓ 2 Reagent System Diluent & Lyse

Hematology



Easy to use

- 10.4 inch color display screen with touch panel
- Working status indicator light
- Mouse and keyboard connection by USB
- Internal storage of lyse
- Throughput up to 60 samples/hour with whole blood mode
- Minimum volume 9µl whole blood

Precision

Parameter	"CV (Whole Blood)"	"CV (Pre-diluent)"
WBC	≤2% ≤2.5%	≤4%
RBC	≤1.5%	≤3%
HGB	≤1.5%	≤3%
PLT	≤5% ≤4%	≤10% ≤8.0
MCV	≤0.5%	≤2.0



Accurate and Precise Results

- Proven impedance measurement technology
- Auto internal & external cleaning for aspiration probe
- High precision syringes
- Internal preheating for diluent for every test
- Accurate and Precise Results: WBC 100µm, RBC 70µm



Cost-effective

- Tidy fluid system with low reagent consumption
- Only 2 reagents for sample testing
- Large storage capacity, 500,000 results



Low and Easy Maintenance

- Special self-checking function during initialization
- Auto clog removing by aperture cauterizing and flushing
- Error messages
- Openable front panel and side door



Nearly Perfect Software Function

- Friendly interface and illustrate icons
- On board storage up to 500,000
- L-J. and X-B QC methods
- Support LIS and HL7 Protocol
- Tailor-made multi-language operation system



Professional Technical Support

- 24 x 7 around-the-clock response
- Entire life cycle service solution
- Door-to-door service for complicated problems

Performance & Specification



Technical Specification

Parameters WBC, LYM#, MID#, GRAN#, LYM%, MID%, GRAN%, RBC, HGB, HCT, MCV. MCH. W now-CV, RGW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC, 3-part differentiation of WBC, 21 parameters and 3 histograms

Principles: WBC/RBC/PLT: Electrical impedance
HGB: Photoelectric colorimetry

Aspiration Volume: Whole blood 9 µl, pre-diluted 20 µl

Aperture Diameter: WBC 100 µm, RBC/PLT 68 µm

Throughput: 60 samples per hour

Data Storage : 500,000 sample results with histograms

Alarms: Error messages

Dilution Ratio:	Whole blood	Capillary blood
WBC/HGB	1:298.8	1:298.8
RBC/PLT	1:31493.4	1:31493.4

Display: 10.4-inch resolution 800 x 600, touch screen

Control and Calibration L-J, X-B two our control modes, manual and auto-calibration

Input/output: 4 USB (mouse, keyboard, printer, Barcode reader and flash disk), Internal 57mm thermal printer

Power: AC 100-240V, 50/60Hz, < 150V AC

Dimension & Weight: 420mm (L), x 295mm (W) x 430mm (H), about < 28kg



Hematology Analyzer

a new generation 3-diff hematology analyzer with 21 parameters and 3 histograms. It is designed for laboratories with low-volume workload yet it is capable of serving medium or large laboratories as a back-up. This MaxCOUNT 3 Part Hematology Analyzer can deliver you confident results and maximize your workflow efficiency via its intuitive software interface, simplified hydraulic design and quality hardware module.

Avecon Healthcare Pvt. Ltd.

Plant : # 338, Sector-2, Industrial Growth Centre, Saha-133104.

E-mail : sales@aveconhealthcare.com, exportzone@aveconhealthcare.com

Website : www.aveconhealthcare.com

CIN NO : U24230HP2006PTC030275

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