3-Part Hematology Analyzer - Automatic CBC Blood Cell Counter - 60 Samples per Hour

Model **MSHEMA-D6032SWISS** | Brand **Master Science**





The Master Science 3-Part Hematology Analyzer is a fully automatic 3-part differential blood cell counter for complete blood count (CBC) testing. Dual counting channels and an independent haemoglobin measurement system report white cells, red cells, platelets and their indices with WBC, RBC and PLT histograms.

KEY HIGHLIGHTS

- Fast CBC results
- Tiny blood volume
- Low running cost
- Fewer blockages
- Easy data handling

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

It processes up to 60 samples per hour from only 10 µL of whole or capillary blood, and needs just two reagents: diluent and lyse. A 10.4-inch touch screen shows results, histograms, patient data and alarms on one page.

Key Benefits

Fast CBC results
the Master Science 3-Part Hematology Analyzer runs 60 samples per hour.

Tiny blood volume
10 µL is enough, suitable for capillary samples.

Low running cost
only two reagents.

Fewer blockages
automatic flushing and burn-off.

Easy data handling
600,000 results, LIS and Excel export.

For serum chemistry, see the Master Science fully automatic biochemistry analyzer.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSHEMA-D6032SWISS
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Differential	3-part, dual channel
Parameters	WBC, LYM#, MID#, GR#, LYM%, MID%, GR%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCC, P-LCR
Histograms	WBC, RBC, PLT
Throughput	60 samples/hour; 24 h standby with adjustable sleep time
Test Modes	Whole blood, prediluted
Sample Volume	10 µL whole or peripheral blood; 20 µL prediluted
Reagents	Diluent and lyse
Clog Removal	Forward and reverse flushing with high-voltage burn
Input	Touch, keyboard, mouse, handwriting; barcode scanner optional
Quality Control	L-J, X-B, floating mean
Connectivity	LAN, 4 × USB; bidirectional LIS, HL7
Power Supply	100 to 240 V

DISPLAY & DATA	
Storage	Up to 600,000 results with sample information
Display	10.4-inch colour touch screen
Printer	Built-in thermal; external printer supported

DIMENSIONS & WEIGHT	
Dimensions	280 × 400 × 460 mm
Net / Gross Weight	About 18 kg / 22 kg

COMMON LABORATORY PROBLEMS AND HOW THIS ANALYZER HELPS	
Common Laboratory Problems and How This Analyzer Helps	How the Master Science 3-Part Hematology Analyzer improves CBC testing:
Slow manual cell counts	automatic counting, 60 samples per hour.
Aperture clogging	flush and burn clog removal.
Paediatric samples with little blood	10 µL sample volume.
Manual result entry	LIS connection.

The Master Science 3-Part Hematology Analyzer is used in

- **Hospital and clinic laboratories**
- **Diagnostic centres**
- **Health screening programmes**
- **Emergency and ward laboratories**
- **Small and medium sample workloads**

Measurement

- Dual-channel counting
- Independent HGB system
- Floating thresholds for WBC, RBC, PLT

Operation

- 10.4-inch touch screen
- One-touch maintenance
- Multi-level user permissions

Data

- Built-in printer, custom report formats
- Bidirectional LIS (HL7)
- Reagent level display and warning

Optional Accessories

- Barcode scanner
- External printer