

Designed For **Precision in Performance**



The Finest in **Medical Technology**

MDX Netherlands is a manufacturing company that specializes in the development of laboratory equipment and after-sales services. While it caters mainly to the Asian market, the company's operations take place in Amsterdam, placing MDX Netherlands at the forefront of European advancements in medical technology. Established in 2017, MDX Netherlands creates a wide product range for total laboratory workflow management. Its state-of-the-art medical instruments and analyzers are specifically designed to perform with high precision and reliability.

hemaline[®] 500



28 parameters with histograms and scattergrams

3D stereograms for detailed WBS differentiation

50 autoloader positions

Single test cap piercing capability

Accurate reticulocytes results

Storage for 200,000 test results with histograms,
scattergrams and stereograms

 REQUEST A
QUOTATION





hemaline[®] 500

Hematology Analyzer

TOP-NOTCH TECHNOLOGY AT WORK

Bringing superior quality to your lab, this innovative 5-part diff auto hematology analyzer utilizes multiple principles such as laser light multi-dimensional cell classification, flow cytometry, and cyanide-free reagent colorimetry to deliver consistently reliable results.

GOING BEYOND THE STANDARD

The Hemaline 500 is crafted to provide extensive data to support your diagnostic decisions.

28 Parameters

2 Histograms for RBC and PLT

2 Scattergrams for eosinophils and neutrophils

TECHNICAL SPECIFICATIONS

Parameters	WBC, Lymp%, Mono%, Neut%, Eos%, Baso%, Lymp#, Mono#, Neut#, Eos#, Baso#, RBC, Hgb, Hct, MCV, MCH, MCHC, RDW-CV, RDW-SD, Plt, MPV, PDW, Pct, P-LCR, P-LCC, Retic-Abs, Retic, IRF
	2 histograms for RBC and Plt, 2 scattergrams, 2 3D stereograms
Principles of Operation	WBC/DIFF: Flow Cytometry, Semi-conductor, Laser Light Multi-dimensional Cell Classification
	WBC Analysis: Optical and Impedance Measurements
	RBC/Plt Analysis: Impedance Method
	Hgb Test: Cyanide-free Reagent Colorimetry
Throughput	60 samples per hour with 50 autoloader positions
Sample Size	20 µL (whole blood and pre-diluted)
Data Storage	up to 200,000 sample results with grams
Reagents	100 µm (WBC), 68 µm (RBC/Plt)
Power	220 V, 50/60 Hz, 300 VA
Dimension (L x W x H)	660 mm x 565 mm x 545 mm
Weight	73 kg



hemaline[®] 300



21 parameters with histograms

60 tests per hour

Memory space for 100,000 test results

Excellent data management system

Low maintenance with self-checking system

 REQUEST A
QUOTATION



hemaline[®] 300

Hematology Analyzer



THE ARCHETYPE OF HEMATOLOGY DIAGNOSTICS

As a 3-part diff hematology analyzer, Hemaline 300 is exceptional by design. Its state-of-the-art features like its 10.4-inch color LCD display, Linux operation system, and low maintenance self-checking system take intuitive self-regulating technology to the next level.

- 21 Parameters
- 3 Part WBC Differentiation
- 3 Histograms for comprehensive diagnostics

TECHNICAL SPECIFICATIONS

Parameters	WBC, Lymph%, Mid%, Gran%, Lymph#, Mid#, Gran#, RBC, Hgb, Hct, MCV, MCH, MCHC, RDW-CV, RDW-SD, Plt, MPV, PDW, Pct, P-LCR, P-LCC
	3-part WBC differential
	3 Histograms
Principles of Operation	Electrical Impedance (WBC, RBC, PLT), Photoelectric Colorimetry (HGB)
Aspiration Volume	10 µL (whole blood), 20 µL (pre-diluted)
Aperture Diameter	100 µm (WBC), 68 µm (RBC/PLT)
Throughput	60 samples per hour
Data Storage	More than 100,000 results with histograms
Alarms	Error messages
Dilution Ratio	Whole blood: 1:232 (WBC/HGB), 1:40000 (RBC/PLT) Capillary blood: 1:400 (WBC/HGB), 1:45000 (RBC/PLT)
Display	10.4 inches color LCD
Dimension	475 mm x 330 mm x 460 mm
Weight (L x W x H)	18 kg
Power Supply	AC 100V ~ 240V



electroline[®] 100



- High Performance Electrodes
- Excellent Electrode Shielding System
- Real-time Electrode Working Status Detection
- Automatic Calibration of Slope & Intercept Values
- Supports High/Low Value Calibrators

electroline[®] 100

Electroline 100 applies ISE (Ion Selective Electrode) technology to the measurement of the contents of potassium (K), sodium (Na), chloride (Cl), pH, nCa^{2+} , and CO_2 in human blood serum. The machine can also measure the contents of potassium (K), sodium (Na), and chloride (Cl) in diluted urine.

TECHNICAL SPECIFICATIONS

Principle	Ion Selective Electrode method
Sample Volume	100 μ l ~ 150 μ l per test
Sample Type	Serum, Whole Blood, Urine
Throughput	Results in less than 60 seconds
Sampling Modes	Automatic* / Manual sampling
Software Upgrade	Possible through USB port
Display	Touch Screen Color LCD (800 x 480)
Memory	Stores more than 100,000 test results Review and print through the sample ID
Printer	Built-in thermal printer
Dimension	490mm x 400mm x 470mm
Net Weight	8.1 kg
Low Maintenance	Accidental power-off protection Automatic fault diagnosis function Automatic liquid level detection and alarms Real-time diagnostic of system status
Inventory Management	Continuous reagent status available on display

* optional



MEASURING RANGE

Electrode	Measuring Range (mmol/L)	Slope Range (mV/dec)
K ⁺	0.50 ~ 15.0	27 ~ 70
Na ⁺	30.0 ~ 200.0	27 ~ 70
Cl ⁻	0.10 ~ 200.0	27 ~ 70
* Ca ²⁺	0.10 ~ 5.0	15 ~ 35
* CO ₂	6.0 ~ 50.0	4 ~ 20
* pH	4.0 ~ 9.5 (unit)	27 ~ 70

* optional



MANUFACTURED FOR:
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PHONE NUMBER
0031 (0) 641 - 552225

hplcline[®] 100



Utilizes high performance liquid chromatography

22 minutes per test

Sample loading capacity for 10 samples

Advanced quality chromatographic resolution

Automated cap piercing functionality

 REQUEST A
QUOTATION





hplcline[®] 100

Hematology Analyzer

EXCELLENCE IN HPLC ANALYSIS

Designed for accuracy, the HPLCline 100 HPLC Analyzer uses ion exchange high performance liquid chromatography for the quantitative determination of the content of glycated hemoglobin (HbA1c) in human whole blood.

COMPREHENSIVE RESULTS FOR INFORMED DIAGNOSTICS

The HPLCline 100 is made to provide every distinct HPLC data to its users. The analyzer can yield the results of HbA1c (% NGSP) and HbA1c (mmol/mol, IFCC) while its chromatogram can display HbA1a, HbA1b, HbF, LA1c, SA1c (HbA1c), A0, and other components.



TECHNICAL SPECIFICATIONS

Testing Time	2.2 minutes per test
Sample Requirement	10 μ L venous whole blood, \geq 5 μ L diluted blood
Sample Loading Capacity	10 samples
Linear Correlation Coefficient	$r \geq 0.9900$
Carryover Rate	$\leq 3\%$
Matched Reagents	Eluents A, B, and C, and hemolytic agent
Power	AC 100V~240 V, 50Hz/60 Hz, 120 VA
Dimension (L x W x H)	850 mm x 480 mm x 730 mm
Weight	37 kg