

UDI

UNITED DIAGNOSTICS INDUSTRY

Hematology Analyzer

UDIHEM-III plus

Automatic Hematology Analyzer



LARGE COLOR TFT DISPLAY
LINUX OPERATION SYSTEM
USER FRIENDLY INTERFACE
KEYBOARD OPERATIONS
MOUSE OPERATIONS

3-PART DIFF AUTOMATIC HEMATOLOGY ANALYZER

www.udignost.com

CE



UDIHEM-III plus



Characteristics:

- ◆ Accurate & reliable result
Using electrical impedance for WBC/RBC/PLT & HGB photoelectric colorimetry, enhanced accurate and reliable result
- ◆ Perfect quality control function
L-J, X-R, X, X-B four types of quality control mode
- ◆ Easy maintenance
Dual way high pressure cleaning, effectively avoid aperture blocking.
Specific boot program, it can clean and maintain the liquid tube system automatically, which keeps the clean tube system.
Waste sensor included into the waste connector.
- ◆ Large Storage
Large storage memory can store up to 25,000 testing results and could be extended according to customers' requirement.
- ◆ Cyanide-free environmental Reagent
Using Cyanide-free environmental hemolytic reagent to test HGB, which is low noise to avoid environment contamination.
- ◆ Easy Operation
Large colour TFT display & Linux operation system.
Screen savers and hibernating program.
Keyboard and mouse operation, friendly to customers.
Automatic sampling, rinsing, diluting, unclogging and maintenance.
Excellent data management.
8 Group human clinical database.

3-PART DIFF AUTOMATIC HEMATOLOGY ANALYZER

Technical Specifications:

WBC	RBC	RDW-SD
LYM #	HGB	PLT
MON #	HCT	MPV
GRA #	MCV	PDW
LYM %	MCH	PCT
MON %	MCHC	
GRA %	RDW-CV	

RBC Histogram & WBC Histogram & PLT Histogram

- ◆ **Calibration:** manual calibration & automatic calibration
- ◆ **Accuracy:**
WBC/HCT $\leq \pm 2\%$ MCV $\leq \pm 0.5\%$
RBC/HGB $\leq \pm 1.5\%$ PLT $\leq \pm 4.0\%$
- ◆ **Aperture diameter:** 100Um (WBC), 80Um (RBC, PLT)
- ◆ **Testing parameter:** 3-part Differential leukocyte count, 19 parameters & 3 histograms.
- ◆ **Sample consumption:** whole Blood 10 μ l, prediluted 20 μ l.
- ◆ **Economic Reagent consumption Per Test:** Diluent 31 ml, Lyse 0.7 ml & Detergent 8 ml.
- ◆ **Counting Mode:** Whole blood and prediluted
- ◆ **Throughput:** 60 samples per hour.
- ◆ **Display:** 640x480 resolutions, 10.4 inches colour TFT screen.
- ◆ **Power Supply:** 100~240 V - AC 50/60Hz
- ◆ **Power:** 180 VA
- ◆ **Data Output:** RS-232 Standard network port & USB
- ◆ **Environment Requirement:** Ambient Temperature 18°C - 35°C Relative Humidity $\leq 85\%$.
- ◆ **Dimension:** 330mm X 440mm X 500mm
- ◆ **Weight:** 21.5 Kg. (Net. Weight)
- ◆ **UDI Reagents:**

S.No	Ref. No	Product Name	Form	Pack Size
1	622HM-020	Hematone (Diluent)	Liquid	20 Lit.
2	645HM-001	Hemalyse (Lyse)	Liquid	1 Lit.
3	650HM-005	Hemaclean (Detergent)	Liquid	5 Lit.
4	656HM-050	Probe Clean (Probe Detergent)	Liquid	50 ML



Certified to ISO 9001:2008

United Diagnostics Industry

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