

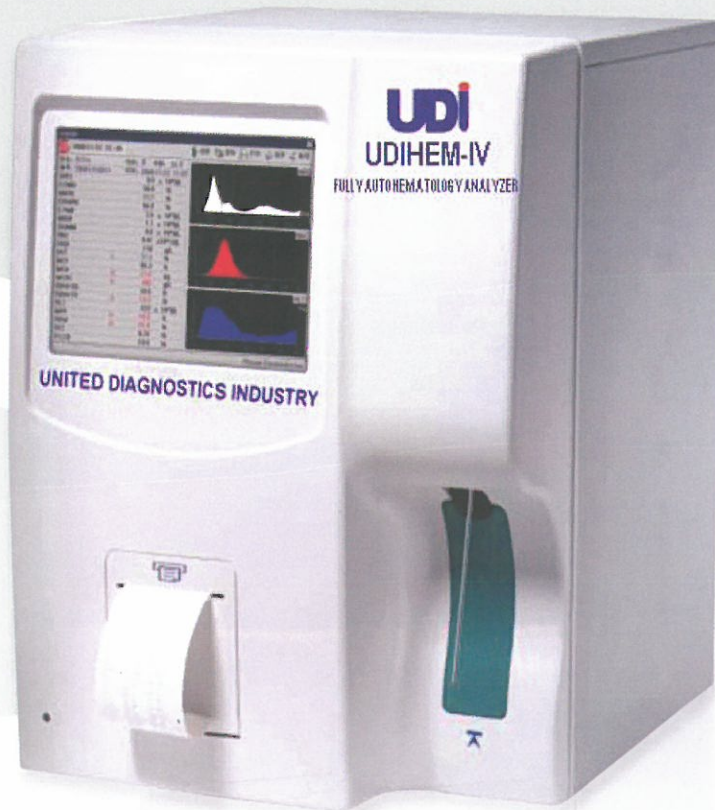
**UDI**

UNITED DIAGNOSTICS INDUSTRY

# Hematology Analyzer

# UDIHEM-IV

Fully Automatic Hematology Analyzer 3-Part 23 Parameters



UDIHEM-IV Hematology Analyzer is a 3-part differential of WBC blood cell counter. It is advantaged at digital technology, auto-relocation separatrix, Intelligent flush clog dual measuring technology (with time and volume) to ensure precise of the test results.

CE



Web: [www.udignost.com](http://www.udignost.com)



# UDIHEM-IV

## 3-PART 23 PARAMETERS HEMATOLOGY ANALYZER



### Specifications:

- ◆ **Principal:**  
Electrical resistance for counting, hemoglobincyanide and SFT method for hemoglobin
- ◆ **Parameters:**  
3-part differential of WBC: 20 parameters + 3 color histograms (WBC/RBC/PLT)
- ◆ **Sample Consumption:**  
Venous Mode: 9.6 µL, Capillary Mode: 9.6 µL, Pre-diluted Mode: 20 µL
- ◆ **Working Mode:**  
Double passages counting detection + independent HGB measurement system; 24 hours with auto standby
- ◆ **Operation Mode:**  
Windows operation system with keyboard&mouse input
- ◆ **Throughput:** ≥ 60 samples/hour
- ◆ **Storage:**  
35,000 sample result inclusive of the histograms
- ◆ **QC mode:**

L-J,  $\bar{X}$ , X-B, SD, CV, QC histograms

- ◆ **Cross Contamination Ratio:**  
WBC/RBC/HGB<0.5%, PLT<1%
- ◆ **Performance:**

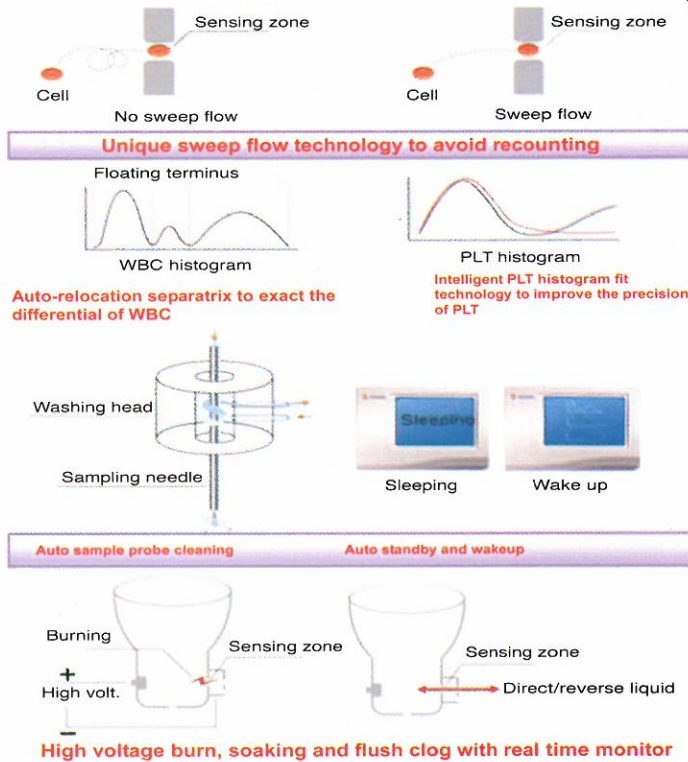
Parameter Repeatability (CV%)	Linear Range
WBC≤2.5%	0.00-99.9x10 <sup>9</sup> /L
RBC≤2.0%	0.00-9.99x10 <sup>12</sup> /L
HGB≤1.5%	0.300g/L
MCV≤0.4%	40 – 150fL
PLT≤5.0%	0-999x10 <sup>9</sup> /L

- ◆ **Display:** 8.4" LCD, resolution: 640 x480
- ◆ **Reference Value:**  
Baby, kid, woman, man, normal and customization
- ◆ **Interface:**  
2xUSB, 1 x parallel (for external printer), 1xVGA (for external monitor), 2xPS/2, 2xRS-232 (for network)
- ◆ **Printer:**  
Built-in thermal recorder, optional external printer, eight report formats
- ◆ **Environment requirement:**  
Temperature: 15°C-35°C; Humidity:10%90%
- ◆ **Power Supply:** AC100-240v 50/60Hz

### Technical Specifications:

WBC, LYM #, MON #, GRA #, LYM %, MON %, GRA %, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR & RBC Histogram | WBC Histogram | PLT Histogram

### Advanced Technology:



### ◆ Automated & User-friendly Interface:

- ◆ Auto Sampler ◆ 8.4" LCD Display with the test times reference value and three histograms ◆ Online alert for the abnormal results ◆ Keyboard & Mouse operation ◆ Windows OS ◆ Easy to search and edit patient information ◆ Storage capacity: 35,000 sample results inclusive of histograms ◆ Optional printout formats ◆ Real time guideline for easy operation.

### ◆ Accurate Results & Low Sample Consumption:

- Accurate analysis technology with low sample consumption:  
◆ Venous mode: 9.6ul ◆ Capacity mode: 9.6ul ◆ Pre-diluted mode: 20ul



### ◆ Easy Maintenance & Environment-friendly System:

- ◆ Adjustable sample probe for various cuvettes
- ◆ With liquid sensor to alarm low reagent
- ◆ Cyanide-free Lyse
- ◆ Automated & Systematic diagnosis and maintenance with alerts
- ◆ Liquid tubing and electronic circuit separately for easy maintenance
- ◆ Closed reagent tubing to avoid contamination

### ◆ Perfect QC System:

Calibration mode: manual and auto

QC mode: L-J,  $\bar{X}$ , X-B, SD, CV, QC histograms

### ◆ UDI Reagents:

S. No	Ref. No	Product Name	Form	Pack Size
1	622HM-020	Hematone (Diluent)	Liquid	20 Lit.
2	645RT-500	Hemalyse-2 (Lyse)	Liquid	500 ML
3	650HM-005	Hemaclean (Detergent)	Liquid	5 Lit.
4	656HM-050	Probe Clean(Probe Detergent)	Liquid	50 ML

## United Diagnostics Industry

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