

# UDI

United Diagnostics Industry

# UDIHEM-1

An answer for Cost Effectiveness



First Edition 06, 2006



CE



*What you see is the innovative design.  
What you experience is advance engineering.  
What you receive is the ease of use  
Combined with a cost effective operation!*

## PROBLEM FREE OPERATION

The **UDIHEM 1** fully automated hematology analyzer designed to meet the needs of small to medium size labs with today's technology. It combines simplicity of handling with high performance. Reliability and latest computer controlled probe instrument determines 18 blood parameters and can process 60 samples per hour with outstanding precision and highest reproducibility. Just push the start button and **UDIHEM 1** does the rest within a minute!

DIAM 2193020

# Innovative Engineering

High quality materials and sophisticated technology ensure a durable and reliable handling of a constant workload. High voltage autoburn prevents any aperture clogging. The small sample volume is convenient for analyzing infant blood. Internal and external rinsing of the sample tip and automatic washing of the probe and measurement chambers reduce carryover to a minimum.

The software constantly controls the condition of the fluidic system and provides alerts indicating any anomaly.

## Simply smart

Measured result and volume distribution histograms for **WBC, RBC** and **PLT** are presented on the large, backlit, easy to read display. A carefully designed, ergonomic keyboard with function keys and clearly arranged menu with icons enable quick and simple interaction between you and **UDIHEM 1**. The integrated computer stores all data of 10,000 tests including 18 parameter results and histograms. The built-in Intel Pentium processor offers workload statistics and other special data management capabilities. **UDIHEM 1** provides special normal ranges according to the patients, sex age. Any time, you can easily upgrade the software, change the language or save your patient files by simply using the integrated floppy disk drive.

## COST EFFECTIVE REAGENTS

Cat. No.	Description	Packing
622 HM-020	Hematone " isotonic reagent"	20 L
650 HM-005	Hemaclean " cleaning reagent"	5 L
645 HM-001	Hemalyse " Lysing reagent"	1 L

### FEATURES:

- Low sample and reagent consumption.
- Automatic sample-needle washing cycle.
- Large data storage capacity
- Integrated QC program
- Function keys with icons for easy handling
- Language selection
- Automatic stand-by program
- Automatic start-by program.
- Wide range of self-test functions.
- Statistical program.
- Programmable normal ranges.

## BUILT-IN VETERINARY MODULE

### SOPHISTICATED TECHNOLOGY

Confident diagnosis is not a matter of compromise. When it comes to providing you with accurate results UDIHEM-1 gives you overall reliability combined with computer-enhanced benefits.

You know you can rely on UDIHEM 1 and you can be sure that your daily work routines will run smoothly.

**And that exactly is our objective!**

## UDIHEM-1

### An answer for Cost Effectiveness

#### Measurements:

18 measured and calculated parameters:  
WBC-LYM# - MID#-GRN#-LYM % - MID%-GRN%  
HGB-RBC-HCT-MCV-RDW-MCH-MCHC  
PLT-MPV-PCT-PDW  
WBC, RBC and PLT histograms  
25 ul sample volume  
2 measuring chambers  
Aperture size 80 um / RBC-PLT and 100 um / WBC  
60 test/hour throughput  
Accuracy: WBC:3%, RBC:2%, HCT:3%, MCV: 2%, HGB:  
2%, PLT 4 %  
liquid sensors for reagents and waste tank  
auto/ manual calibration  
vet module setting.

#### Data management:

Intel Pentium processor or compatible  
10,000 samples storage capacity incl. histograms  
Integrated QC program with mean value, standard deviation and Coefficient of variation calculations  
Programmable patient limits  
Data saving possibility on floppy disk

#### Interface:

RS 232  
External printer 3 1/2" floppy disk  
240 x 128 dots, graphic backlit Liquid Crystal Display  
24-buttons foil keyboard incl. 6 function keys with icons

#### Installation:

Height: 370 mm, width: 470, depth: 380 mm,  
Weight: 18 kg net  
Power: 110 – 127 v / 60 hz, 220-240 V 50 Hz



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