MDC 400-1000

The most money saving single channel semi-automated Hematology Analysers (cellcounters)
(Diluter or pipetting for manual dilution)
MDC 400: WBC, RBC, HGB + MCH
MDC 700: WBC, RBC, HGB, MCV, HCT + MCH and MCHC
MDC 800: WBC, RBC, HGB, MCV, HCT, PLT + MCH u. MCHC
MDC 1000: WBC, RBC, HGB, MCV, HCT, PLT, MPV, PCT
+ MCH, MCHC + 3 histograms on printer hard copy
Capacity of all models: about 30 - 50 analyses per hour

TECHNICAL DATA / FEATURES

Methods
Electronic, impedance principle (change of electrical resistance), colorimetric haemoglobine determination by built-in photometer

Counting time
~ 8,0 Sekunden MDC 400 / 700
~ 11,0 Sekunden MDC 800 / 1000

Volume unit
Liquid manometer with electronic detectors

Transducer
100 µm MDC 400 / 700
80 µm MDC 800 / 1000

Display
LCD **2 x 32-digit** alpha-numeric

Measurement Value Processing
Microprocessor

Self diagnostic package
Displays malfunctions and suggests solutions

Sample Volume
20 / 40 µl whole blood or capillary blood

Reagent consumption
Isotonic diluent: 20 ml per sample
Haemolyzing reagent: 80 µl per sample

Calibration
On keyboard for every parameter

CV-values
RBC : < 1,5 percent
WBC: < 2,0 percent
HGB: < 1,0 percent
PLT: < 5,0 percent

Dimensions
width: 290 mm
depth: 355 mm
height: 350 mm

Weight
13 kg

Power consumption
max 50 W

Voltage (standard)
110 / 220 V, 50 / 60 Hz

Interfaces
1 serial port (RS 232)
1 parallel port for printer (Medicon 1000, or on request)

Accessories
MEDI-MIX Mixer for 60 samples of whole blood
LEUKODIFF LCR 12 WBC-differentiation-counter

Consumables
MEDILUID isotonic diluent
MEDLYSE concentrated haemolysing reagent
MEDI-CLEAN enzymatic cleaner
MEDI-CUP particle-free cups

NO PERIODIC MAINTENANCE !!!

AL Systeme and Medicine Devices
Unterer Dammweg 12, 76149 Karlsruhe
Tel. 0049 721 - 97893-0, Fax +49 721 - 97893-30
e-mail: alsysteme@aol.com internet: www.medicinedevices.com