MDC 4000

VETERINARY

The fully automated 21-Parameter-Haematology Analyser (Cellcounter)
Determination of the Parameters RBC,PLT,MPV,HCT,MCV,WBC,HGB,MCH,MCHC,PLT (PRP),PCT, RDW-SD, RDW-CV,PDW,RCDW,LCDW,LYM#,LYM%,MID#, MID%, GRAN#,GRAN%, + 3 Histograms
Capacity: ca. 50 analyses per hour
....With memory for 250 patient data and quality control program

TECHNICAL DATA / FEATURES

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

Counting time
RBC-channel ~11 seconds
WBC-channel ~8 seconds

Analysing time including printout
60 seconds

Volume control unit
Liquid manometer with electronic detectors

Transducers
RBC/PLT: 80 µm WBC: 100 µm

Display
Big sized LCD, histograms of RBC, WBC, PLT
Memory for250 patient data, and statistics / quality control

Measurement Value Processing
Microprocessor

Self diagnostic package
All inside tubes are controlled
Displays malfunctions and suggests solutions

Sample Volume
20 µl whole blood or 20 µl capillary blood

Very low reagent consumption of
Isotonic Diluent: 24 ml per sample including rinsing
Haemolysing reagent: 0,7 ml per sample

Calibration
Keyboard calibration

Additional features
- Possibility of instrument coding
- Built-in Dispenser
- Programmable auto-clean
- Sample cleaner
- New **WINDOWS**® based PATIENT MANAGEMENT SOFTWARE

now with new high quality maintenance free valves

Animal settings
Dog, Cat, Rabbit, Guinea Pig, Horse, Cow, Sheep, Goat, Pig, Control (like human)
Mouse or other animals can be changed with other animal

CV-values Diluter
Diluter: < 3,0 percent

Dimensions
width: 490 mm
depth: 335 mm
height: 350 mm

Weight
28 kg

Very low power consumption
max 40 W
System is working without compressor, and no pump is running permanently (no noise !)

Voltage (standard)
110 / 220 V, 50 Hz, alternatively 60 Hz (on special request)

Interfaces
1 serial port (RS 232) for printer or computer
1parallel port for printer

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

Consumables
MEDILUID III Diff isotonic diluent
MEDLYSE III Diff haemolysing reagent
MEDI-CLEAN enzymatic cleaner

NO PINCH-VALVES !!!

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