Automated Veterinary Hematology Analyzer

Diatron®

Specifications of Abacus junior vet

Sample volume:	25 µl whole blood (50 µl in pre-diluted mode)
Aperture diameter:	80 µm
Measured parameters:	18 parameters, including 3-part WBC differential: WBC, LYM, MID, GRA, LYM%, MID%, GRA%, RBC, HCT, MCV, RDW, HGB, MCH, MCHC, PLT, PCT, MPV, PDW
Throughput:	22 tests/hour (average)
Sampling method:	Open tube system with automatic sample rotor
Sample types:	Dog, Cat, Horse, and 24 user-defined species
Fault statistics:	RBC/WBC clogging < 1% of analyses (normal use)
Clog prevention:	High-voltage pulse and chemical cleaning of the aperture in each analysis cycle using Cleaner reagent
Quality control:	6 levels, including: mean, ± range, SD and CV for all measured and calculated parameters, 16- and 64-day Levey-Jennings charts, separate QC database
Calibration:	Automatic, or manual calibration of WBC, HGB, RBC, PLT, MCV, RDW, MPV
Multi-user feature:	3-level multi-user operation with user identification by ID and password
User interface:	Easy-to-use, menu driven user interface with 6 software buttons (with icons), 6 hardware function buttons, cursor and numeric keys
Languages available:	Chinese, English, French, German, Greek, Hungarian, Indonesian, Italian, Persian, Polish, Portuguese, Romanian, Russian, Spanish, Turkish, Vietnamese (more can be added upon request)
Data storing capacity:	1000 (2000/10000 optional) results, including histograms
Host computer interface:	Serial (RS-232) computer link
Data back-up Interface:	3.5" floppy disk
Software upgrade:	3.5" floppy disk or slim CD-ROM (optional)
Printer interface:	Centronics (parallel) or USB (optional)
Optional built-in printer:	"Easy Paper Operation" thermal printer (optional)
Display:	240×128 dots high-contrast, backlit, graphic LCD
Keypad:	29 foil keys + START button
External keyboard:	Standard PS/2 compatible keyboard (optional)
Power supply:	Universal, external 12VDC, 6A power module
Power supply (input):	100-120 or 200-240V, 50-60Hz, auto-ranging type 10W stand by, 72W max. operating power
Operating temperature:	15-35°C
Dimensions (W×D×H):	320×260×365 mm
Net weight:	12 kg

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