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Hematology Analyzer

• CE • ISO9001:2000 • ISO13485:2003

Technical Specifications

Model	AP-7021	AP-7018	AP-Vet
Automatization	Fully automatic	Fully automatic	Fully automatic
Throughput	60 tests/hr	30 tests/hr	60 tests/hr
Parameters	WBC, LY, MO, GR, LY%, MO%, GR%		
	RBC, HCT, MCV, RDW-SD, RDW-CV, MCH, MCHC		
	PLT, MPV, PCT, PDW,		
	HGB		
	WBC histograms, RBC histograms, PLT histograms		
Measuring Principle	Electro-impedance, photometric analysis		
Sample Volume	10ul (whole blood), 20ul (prediluted blood)		
Storage	200,000 results including histograms		
Display	LCD displaying all the reading results of sample		
Printer	Built-in thermal printer or interface to external printer		
Data Input	keypad (mouse and keyboard available)		
Output	RS-232, USB, Internet access, available for LIS system		
QC	QC Program calculates X, SD, CV%, saves data		
Language	English, other languages on request		
Power Supply	AC110V/ 60Hz or 220V/ 50Hz		
Dimensions	43cm × 32cm × 50.5cm		
Weight	20.0Kg		

*HB-Vet is specially designed for veterinary clinic use, with 14 species: rat, mouse, rabbit, dog, cat, pig, cow, goat, sheep, horse, camel, primate, ferret and so on.

Linearity Range

WBC	0.0-99.9 ($\times 10^9/L$)
RBC	0.0-9.9 ($\times 10^{12}/L$)
HGB	0.0-300 (g/L)
PLT	0-999 ($\times 10^9/L$)

Accuracy(CV%)

WBC < 2.0%	RBC \leq 1.5%	PCT \leq 3.0%
PLT < 4.0%	HGB < 1.5%	MPV \leq 3.0%
HCT \leq 2.0%	MCV < 1.0%	PDW \leq 3.0%
MCH \leq 2.0%	MCHC \leq 2.0%	

Features

- Easy operation
- Carry-over prevented by automatic probe interior and exterior cleaning
- Both whole blood test mode and prediluted blood test mode available
- Automatic self-diagnosing and alarm function
- Internal real-time monitoring system
- Clog prevention and maintenance function
- Automatic 24 hours standby function
- Multiple report formats available
- Free cyanide reagent