



Smart-Vet

3PART AUTO HEMATOLOGY ANALYZER

ISO 10009



ISO 13485



CC-Smart-Vet

3-Part Auto Hematology Analyzer

- User-friendly interface
- 10.4 inch true color TFT LCD & touch screen, more visible
- Minimize the number of interface layers, pop-up soft keyboard, easy to operate
- Internationalization support
- Possible choice of parameter units. Several languages available, can switch language on line
- Pre-defined for 13 animals plus an addition 3 user-defined animals, satisfy the requirements of most veterinary clinics
- Provide text of alarm information
- Text of alarm information is clearer than alarm character provided by traditional 3-part analyzer, such as Rl, Rm and Pm
- Automatic blank counting
- Automatically start a blank counting and auto-assessment of the results during start-up process
- Automatic re-counting
- Automatically re-count after unclogging treatment while a counting hole is clogged, avoid re-collecting blood
- Automatic adjusting
- Automatically adjusting voltage of HGB blank. Automatically adjusting alarm thresholds of clogging and bubble of counting apertures
- Built-in patented structure thermal printer. Easy to load paper, and fast print of large size report
- Paper 80mm wide. Report printing takes only 5 seconds
- State-of-the-art technology
- Sweeping flow technology, Pulse discrimination technology, Intelligent floating threshold technology
- Wide application
- Pet hospitals, Zoos, Livestock System, Laboratory Animal Center, etc

Quality Control System: Include 9 QC files, automatically draw quality control chart, provide the average, SD, CV

Calibration System: Support manual and automatic calibration

Software Upgrading: Upgrading software via USB port

Display & Touch Screen: 10.4 inch true color TFT LCD and touch screen

Printer: Built-in patented structure thermal printer, paper 80mm wide, easy to load paper. Report printing takes only 5 seconds

Data Ports: One network port, one RS-232 port, four USB ports

Optional External Devices with USB Port

Standard 101 keyboard, mouse, barcode scanner and multiple printers

Power

220V, 50Hz Input power: ; 150VA

Operating Environment

Environment Temperature: 10 °C ~ 30°C

Relative Humidity: ; 70%

Atmospheric Pressure: 70.0kPa ~ 106.0kPa

Dimensions: 368mm x 448mm x 475mm

Weight: 23Kg

Reagents: Provide original reagents

Product Specifications

- Measuring Principles
- Impedance method for cells counting
- Cyanide free colorimetric method for HGB measurement
- Measuring Channels
- Double channel for counting
- Throughput
- From beginning of a test to completion of the printout: :o60 Seconds
- Counting Modes
- Whole Blood, Pre-diluted Blood
- Sample Volume
- Whole Blood: ; I 4 μ L
- Pre-diluted Blood: :o20 μ L
- Species of Animals
- 13 pre-determined animal settings (cat, dog, horse, mouse, rat, rabbit, pig, cow, buffalo, monkey, camel, sheep and goat) plus 3 programmable on request
- Parameters & Histograms
- Three-part differentiation of WBC covering dog, cat, mouse, rat, sheep , cow and horse, 21 parameters +3 histograms
- WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, MCV, MCH, MCHC, RDW-CV, RDW-SD, HCT, PLT, MPV, PDW, PCT, P-LCR, P-LCC, WBC Histogram, RBC Histogram, PLT Histogram
- Alarm System
- Multiple alarms of running status including blank counting abnormal,
- reagents empty, waste full, counting hole clogged,
- counting area bubble, recorder abnormal,
- external printer abnormal and circuit abnormal, etc
- Measures of Unclogging Treatment
- Back flushing, soaking and burning. Automatic unclogging treatment before and after the sample analysis
- Printout
- English print report, optional report formats
- Storage
- Can store more than I 0,000 sample results, including parameters,
- histograms and animal information. Support multiple conditions
- combination query
- Communication
- Open communication protocol. Support connection to LIS
- Data Import & Export
- Import or export data via USB port



