



VH-22

Veterinary Auto Hematology Analyzer



FEATURES

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 R1, 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



PRODUCT SPECIFICATION

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: ≤ 60 Seconds

Counting Modes

Whole Blood, Pre-diluted Blood

Sample Volume

Whole Blood: $\leq 14\mu\text{L}$

Pre-diluted Blood: $\leq 20\mu\text{L}$

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, rabbit, monkey 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 10,000 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

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: $\leq 150VA$

Operating Environment

Environment Temperature: $10^{\circ}C \sim 30^{\circ}C$

Relative Humidity: $\leq 70\%$

Atmospheric Pressure: $70.0kPa \sim 106.0kPa$

Dimensions

368mm x 448mm x 475mm

Weight

$\leq 23Kg$

Reagents

Provide original reagents

