



“A SINGLE
CELL MATTERS”

Merilyzer
CelQuant VET

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 online

Predefined 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

- 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

Wider linearity range & excellent repeatability

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

Very practical, the data export on USB key in. CV format

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
- 2-reagent and 3-reagent analyzer optional
- Open and closed system (by barcode or RFID) analyzer optional



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 (In Auto print mode)

Counting Modes

- Whole Blood
- Pre-diluted Blood

Sample Volume

- Whole Blood: <14uL
- Pre-diluted Blood: <20uL

Species of Animals

- 13 pre-defined animal settings (cat, dog, horse, mouse, rat, rabbit, pig, cow, buffalo, monkey, camel, sheep and goat) plus 3 programmable on request
- Whole Blood: <14uL

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, PT Histogram



Alarm System

- Multiple alarms of running status including blank counting abnormal, reagents empty, waste full, counting hole clogged, counting area leak or 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

- Optional report formats

Storage

- Can store 50,000 sample results, including parameters, histograms and animal information.
Support multiple conditions combination query

Communication

- Open communication protocol. Support connection to LIS

Data Export

- Very practical, the data export on USB key in .cv format

Quality Control System

- Include 9 QC files, automatically draw quality control chart, provide the average, SD, CV

Calibration System

- Include 9 QC files, automatically draw quality control chart, provide the average, SD, CV
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 printersaper 80mm wide, easy to load paper.
- Report printing takes only 5 seconds

Power

- 115/230V 50/60Hz Input power: \$150VA

System (analyzer and its matching reagent) operating environment

- Ambient temperature: 18C~30°C
- Relative humidity: =70%RH
- Atmospheric pressure: 70.0kPa ~ 106.0kPa

Dimensions

- 368mm x448mm x475mm

Weight

- 23Kg





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