



H50V veterinary hematology system

Enhancing your diagnostics

Hematology analysis provides a cost-efficient tool for animal health screenings and disease investigations. The H50V provides you with a broad hematology test menu, in-house, for more confident decision making.

Built on reliable technology, the H50V allows you to leverage high-quality diagnostics, while keeping costs to a minimum. Equipped with 13 pre-defined animal profiles, it offers a flexible system to many types of veterinary clinics and laboratories.

- 5-part white blood cell differential results in less than 1 minute
- Compact and easy to use with intuitive touch screen interface
- Laser flow cytometry, impedance and colorimetry technology

Technical specification

Parameters

25 parameters:

RBC, MCV, HCT, MCH, MCHC, RDW_CV, RDW_SD, HGB, PLT, MPV, PDW, PCT, P_LCC, P_LCR, WBC, LYM%, LYM#, MON%, MON#, NEU%, NEU#, EOS%, EOS#, BASO%, BASO#

9 research parameters:

NRBC%, NRBC#, LIC%, LIC#, ALY%, ALY#, RET%, RET, ABS, IRF

The number of parameters may differ depending on species.

Species

13 pre-installed species profiles:

Dog, cat, horse, cow, buffalo, rabbit, sheep, rat, mouse pig, monkey, goat and camel

Possibility of creating own profiles manually

Reagents

4 RFID-locked reagents:

H50V Diluent, H50V Lyse, H50V Sheath, H50V Detergent

Throughput

Up to 60 samples/hour

Sample analysis

Samples: Whole blood, pre-diluted.

Sampling system: Open tube aspiration

Sample volume: Whole blood sampling mode 20 µL, pre-diluted 20 µL

Linearity ranges

PLT: 0–5000 × 10⁹/L

RBC: 0–8.0 × 10¹²/L

WBC: 0–400 × 10⁹/L

HGB: 0–25g/dL

Display

10.4 inch TFT touch screen

Data storage capacity

Up to 200 000 samples

Interface ports

4 USB ports, 1 LAN port that supports LIS/HIS communication through HL7 protocol

Printout

External laser printer

Dimension

410 mm (H) × 270 mm (W) × 510 mm (D)

Weight

26 kg

Additional Features

Built-in mixer for 6 tubes of 3 different sizes.

Hematological Guidelines for pathological samples.

On board and external clot prevention cleaners.

Reticulocyte count function.

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