

H30 Vet Veterinary Hematology analyzer

Technical Specification



Principles

Direct impedance method for WBC, RBC and PLT counting
Cyanide free lyse reagent for hemoglobin test

Parameters

21 reportable parameters + 4 RUO parameters
RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCC, P-LCR, WBC, LYM%, LYM#, MON%, MON#, GRA%, GRA#, EOS%*, EOS#*, NLR*, PLR*
3 histograms for WBC, RBC and PLT

Performance	Parameter	Linearity Range	Precision
	WBC (10 ⁹ /L)	0.0-300.0	≤2.5% (5.0-15.0)
	RBC (10 ¹² /L)	0.0-17.0	≤1.5% (3.5-6.5)
	HGB (g/L)	0-250	≤1.5% (100-180)
	PLT (10 ⁹ /L)	0-4000	≤5.0% (200-500)
	MCV (fL)		≤1.0% (40.0-120.0)
	HCT (%)		≤2.0% (30-50)

Data Storage Capacity

100,000 results including results and histograms
60 QC files (100 data per file)

Interface

5 USB ports (for external printer, software upgrade, barcode scanner, keyboard, mouse), 1 LAN port, support bi-directional LIS

Power Supply

100V-240V, 50Hz/60Hz

Operating Environment

Temperature: 15°C~35°C;
Humidity: 20% RH~85% RH;
Air pressure: 70 kPa~106 kPa

Dimensions and Weight

415mm(L)×275mm(W)×406mm(H);
Weight: 18kg

Carryover

WBC, RBC, HGB ≤ 0.5%; PLT ≤ 1.0%

Reagent

VD310 Veterinary Diluent 10L/20L
VL310 Veterinary Lyse 100mL/200mL
HC310 Cleaner 50mL

Sample volume

Whole blood mode 6.5 μL
Pre-diluted mode 20 μL

Species

Cat, Dog, Horse, Sheep, Goat, Monkey, Camel, Llama, Panda, Cow, Pig, Rabbit, Rat, Mouse

Display

10.4 inch TFT color touch screen

Throughput

50T/H

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- Point-of-Care Testing
- *In-Vitro* Diagnostics
- Veterinary

Healthcare professionals around the world depend on Edan's breakthrough medical technologies and outstanding customer support.



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H30 Vet

Veterinary Hematology Analyzer



A world of potential

Assist Animal Healthcare in EDAN Way

Efficiency

Ease your work

- 30 μ L sample preparation volume and 6.5 μ L test volume is suitable for animals, especially for small animals.
- Two reagents with longer shelf life and low consumption, satisfy the low sample size requirement of veterinary.
- Approximately 50% less consumption, one diluent supports more tests.



Digitization

Design to user-oriented

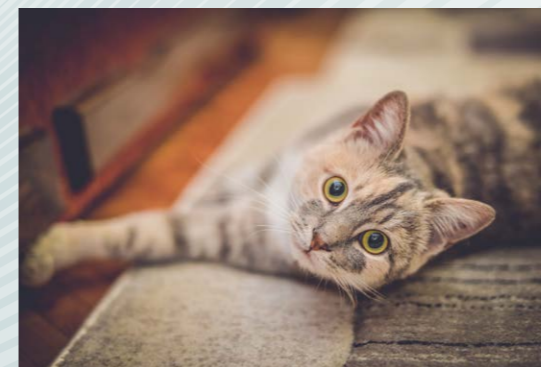
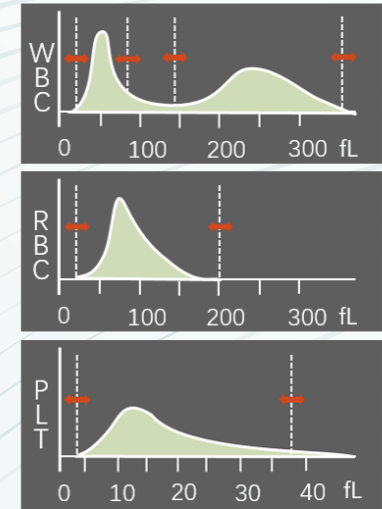
- Android-based operating system allows users to have the experience of smartphone operation.
- Analysis records obtained via cycle would be useful for rental business, dealers, and end-users.
- Dual system of software and hardware can accurately detect the remaining of reagent.



Accuracy

Improve performance on every species

- Independent animal algorithm and adaptive threshold make animal classification and detection more accurate.
- If an animal has a parasitic infection, allergy, etc., eosinophil can be a detection index.
- Wide linearity range allows measuring more abnormal clinical cases of animals like leukemia in dogs.



Norm

More species Less maintenance

- Cat, Dog, Horse, Sheep, Goat, Monkey, Camel, Llama, Panda, Cow, Pig, Rabbit, Rat, Mouse.
- Every 200 tests need to be maintained once, the system automatically reminds user.
- Each reagent has individual RFID card instead of barcode, regulates the use of reagents.