

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)	Carryover WBC, RBC, HGB≤ 0.5%; PLT≤ 1.0%
Interface 5 USB ports (for external printer, software upgrade, barcode scanner, keyboard, mouse), 1 LAN port, support bi-directional LIS	Reagent VD310 Veterinary Diluent 10L/20L VL310 Veterinary Lyse 100mL/200mL HC310 Cleaner 50mL
Power Supply 100V-240V, 50Hz/60Hz	Sample volume Whole blood mode 6.5 μL Pre-diluted mode 20 μL
Operating Environment Temperature: 15°C~35°C; Humidity: 20% RH~85% RH; Air pressure: 70 kPa~106 kPa	Species Cats, Dogs and customized species: Horse*, Rat*, Mouse*, Rabbit*, Cow*, Monkey* and others* (* coming soon)
Dimensions and Weight 415mm(L)×275mm(W)×406mm(H); Weight: 18kg	Display 10.4 inch TFT color touch screen
	Throughout 50T/H



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- Ultrasound Imaging
- *In-Vitro* Diagnostics
- Patient Monitoring
- Point-of-Care Testing
- Veterinary
- OB/GYN

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



A world of potential

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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

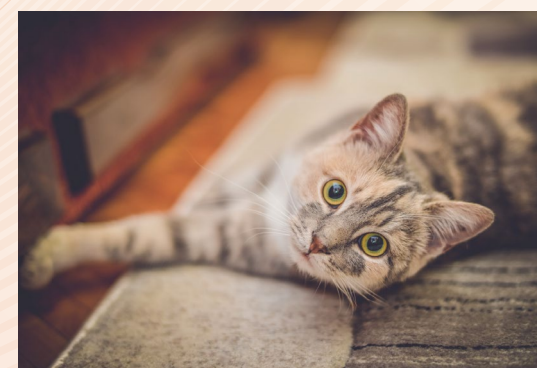
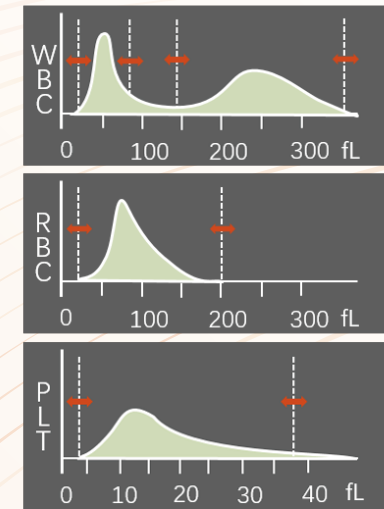
Design to user-oriented

- 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

- Cats, Dogs and unlimited customized species: Horse*, Rat*, Mouse*, Rabbit*, Cow*, Monkey* and others* (coming soon)
- 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.