

DRY CHEMISTRY VET ANALYZER

MSC 100V

CHEMISTRY + COAGULATION

Veterinary Coagulation & Chemistry
Combo Analyzer



CHEMISTRY +
COAGULATION
TEST 2-in-1



DUAL-TRAY DESIGN,
WHOLE BLOOD
SAMPLING



LYOPHILIZED
REAGENT DISC,
LONG-TERM STORAGE



COMPACT
AND
PORTABLE



OPERATION PROCESS



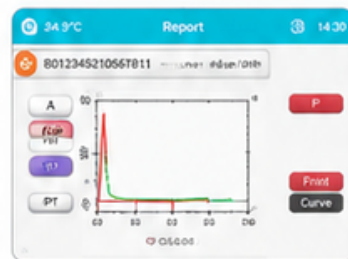
Step 1

Add sample (3.1.1)
& dilution solution (3.1.2)



Step 2

Click "Start"



Step 3

Report in 12 Min

PET TYPE:

DOG, CAT, RAT, RABBIT, PIG,
MONKEY, LIZARD, HORSE,
COW, SHEEP, TORTOISE



PHOTOELECTRIC,
COLORIMETRY



ACCURATE &
RELIABLE RESULT



EASY TO USE
ANDROID SYSTEM



RAPID RESULT
IN ≤12 MIN

HIGHLIGHTS

- Photoelectric, colorimetry technology
- Whole blood, serum, plasma sample
- Lyophilized reagent disc, stable & ready to use
- Dual-tray design for chemistry & coagulation
- Built-in thermal printer (external wireless printer optional)
- Android 5.1 system with LIS/HIS support
- Compact, lightweight & easy to carry

APPLICATIONS



Veterinary Clinics



Pet Hospitals



Research Institutes



Animal Breeding



Field & Mobile Use



Emergency Care

VETERINARY INSTRUMENTS CATALOG

Dry Chemistry Analyzer | 3 Part Hematology | 5 Part Hematology



Reliable Veterinary Diagnostic Solutions



Dry Chemistry



3 Part Vet



5 Part Vet

PREMIUM PRODUCT RANGE



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QUICKCELL VET PLUS

3 Part Veterinary Hematology Analyzer

Reliable CBC Testing for Veterinary Diagnostics



Accurate Results

Advanced counting technology ensures dependable CBC analysis.



Veterinary Species Mode

Pre-programmed settings for multiple animal species.



LCD Touch Screen

Intuitive color display for smooth and easy operation.



Low Running Cost

Efficient reagent use for economical daily testing.



Easy Maintenance

User-friendly design with simplified routine upkeep.



Low Sample Volume

Requires only a small blood sample for fast analysis.

SPECIFICATIONS



Measurement Technology

- Electrical impedance method
- Colorimetric HGB measurement
- 3-part WBC differentiation



Reporting Parameters (21)

- WBC, LYM#, MID#, GRA#, LYM%, MID%, GRA%
- RBC, HGB, HCT, MCV, MCH, MCHC
- RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR



Histograms

- 3 histograms: WBC, RBC, PLT



Modes

- Whole blood mode
- Pre-diluted mode
- Veterinary multi-species mode



Throughput / Sample Volume

- Up to 60 samples/hour
- Whole blood: ≤10 µL
- Pre-diluted: ≤20 µL



Display

- 10.4 inch color touch screen



Extended Interface

- LAN, 4 USB ports
- LIS / HL7 support
- External printer support



Usage Environment

- AC 100–240V, 50/60Hz
- Temperature: 10–30°C
- Humidity: 20–85%



Storage Capacity

- 50,000+ results with histograms and patient information



Size / Weight

- Compact bench-top design
- Approx. 20 kg

PERFORMANCE PARAMETERS	Items	Linear Range	Carryover	Repeatability
	WBC	0–100 ×10 ⁹ /L	≤0.5%	≤2.0%
	RBC	0–8 ×10 ¹² /L	≤0.5%	≤1.5%
	HGB	0–250 g/L	≤0.6%	≤1.5%
	PLT	0–1000 ×10 ⁹ /L	≤1.0%	≤4.0%

MULTI-SPECIES SUPPORT



QUICKCELL 5P VET

5 Part Veterinary Hematology Analyzer

An Analyzer for 18 Species



Accurate Data

Advanced technologies ensure accurate results for reliable diagnosis.



LCD Touch Screen

14-inch high-definition color display with ultra-sensitive touch for easy operation.



Low Cost

Only three reagents are needed to measure the sample. Low consumption of reagents.



Easy to Operate

One-click testing, one-click troubleshooting and intuitive interface for efficient workflow.



Patented Technology

SMART-FLOW liquid circuit invention patent technology for high reliability and low maintenance.



Low Blood Consumption

CBC+DIFF mode: ≤20 µL

SPECIFICATIONS



Measurement Technology

- Semiconductor Laser Scattering Technology
- Flow cytometric techniques
- Three-dimensional scatter plot analysis technology
- Electrical impedance measurement technology
- Cyanide-free HGB measurement technology



Reporting Parameters (25 items)

WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PCT, PDW, P-LCR, P-LCC, NEU#, LYM#, MON#, EOS#, BAS#, NEU%, LYM%, MON%, EOS%, BAS%



Study Parameters (4 items)

ALY%, ALY#, LIC%, LIC#



Graphs

- Two scatter plots, one 3D scatter plot (2 2D plots can be pulled out as needed), one WBC/BASO scatter plot
- 2 histograms (RBC histogram, PLT histogram)



Mode

- CBC+DIFF mode
- Intravenous whole blood mode
- Pre-diluted peripheral blood mode
- Anticoagulated peripheral whole blood mode



Speed / Blood Consumption

- 60 samples/hour
- CBC+DIFF mode: ≤20 µL



LCD Touch Screen

- 14 inches
- Resolution 1366 × 768



Extended Interface

- 1 network port, 4 USB
- Two-way LIS system supports HL7 protocol
- External USB printer or WiFi connection (optional)
- Built-in RFID reader scanning (optional)



Usage Environment

- Wide range input: AC 100–240V, 50/60Hz
- Temperature: 10–30°C
- Humidity: 20–85%
- Atmospheric pressure: 70–106 kPa
- Altitude: ≤2000 m



Size / Weight

- 350 mm × 450 mm × 430 mm
- Approx. 28 kg



Storage Capacity

Storage of 100,000+ copies (including histograms, scatter plots, patient information)

PERFORMANCE PARAMETERS	Items	Linear Range	Carrying Contamination Rate	Repeatability (CV value)
	WBC	0–100 ×10 ⁹ /L	≤0.5%	≤2.0%
	RBC	0–8 ×10 ¹² /L	≤0.5%	≤1.5%
	HGB	0–250 g/L	≤0.6%	≤1.5%
	PLT	0–1000 ×10 ⁹ /L	≤1.0%	≤4.0%

FOR 18 SPECIES

