

diatron●●

# Abacus Vet5

5-PART WBC DIFFERENTIAL  
VETERINARY ANALYZER





# ANALYZER OVERVIEW

For more than 30 years Diatron develops and manufactures hematology analyzers for the human clinical market. This expertise also enables Diatron to offer veterinary analyzers for exclusive use in the animal healthcare field.

The Abacus Vet5 features a large touch screen and an intuitive user interface to provide an optimal solution for veterinary clinics and practices which require a high quality hematology analyzer.

## BENEFITS AND KEY FEATURES

### EASY TO USE

- Its large touch screen, and user-friendly interface allow accurate data entry, monitoring of results and histograms enabling fast and efficient operation. Results can be retrieved via an on-board or an external printer. The system can connect to a Laboratory Information System (LIS) using the HL7 communication protocol.

### HIGH PERFORMANCE

- The Abacus Vet5 offers 5-part differential WBC results on Dog, Cat, Cattle, Horse and 3-part differential WBC results on Mouse, Rat, Rabbit, Ferret, Sheep, Goat, Pig, Guinea Pig and Primates.

### CONVENIENT

- Its compact size and associated reagent pack mean that the system requires only a small space and storage and shipping of reagents is simple.

### RELIABLE AND EFFICIENT

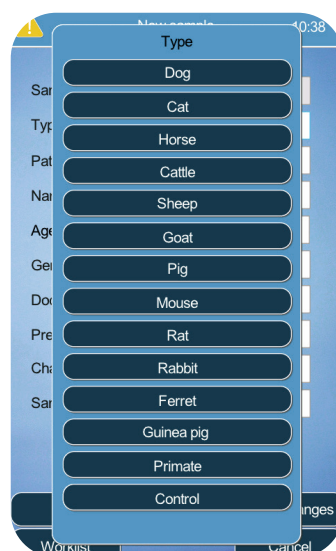
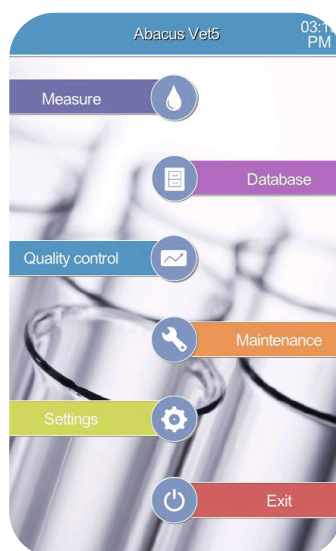
- Each Abacus Vet5 analyzer is almost maintenance-free resulting in minimal downtime and can store up to 5000 results.

# Abacus Vet5

## DIATRON REAGENTS

Our ISO 13485 and ISO 9001 certified reagent manufacturing plant is designed to ensure the highest quality standards. Each lot of reagent manufactured is fully validated prior to release. Our Diatro•Lyse-Vet is cyanide free.

Diatron reagents offer a shelf life of up to 36 months before opening. The use of the hardware key ensures that only Diatron reagents can be used thus ensuring the best performance and quality of results.



# SPECIFICATIONS

## SAMPLES

- Throughput: Up to 25 samples/hour
- Parameters: 24 hematology parameters, including 5-part WBC differential: WBC, LYM, MON, NEU, EOS, BAS, LYM%, MON%, NEU%, EOS%, BAS%, RBC, HCT, MCV, RDWcv, RDWsd, HGB, MCH, MCHC, PLT, PCT, MPV, PDWcv and PDWsd

## TECHNOLOGY

- Volumetric Impedance measurement
- Light absorbance measurement for HGB
- Sample volume: 25/50 µl of whole blood in 3/5 part mode
- Sampling method: Open tube system

## SAMPLE PROFILES

- Five-part mode: Dog, cat, horse and cattle
- Three-part mode: Mouse, rat, rabbit, ferret, pig, sheep, goat, guinea pig and primates

## REAGENTS

- Reagent pack containing Diluent Vet (10L), Lyse Vet (0.3L), DiffVet5 (0.8L), Cleaner (0.3L) and Rinse Vet (0.5L)
- Diatro•Vet5 Reagent Pack: Up to 200 measurements\*
- Hardware key protected pack

## USER INTERFACE

- Easy-to-use, menu driven user interface
- Screen type: Capacitive 8" (173 x 104 mm), LED backlit, color graphics LCD
- Data storage capacity: Up to 5000 results, including histograms

- Printer options: Built in thermal printer (58 mm wide paper)
- LJ charts: Trend function allows to display with a Levey-Jennings chart the selected records from the database
- Screen resolution: 480 x 800
- User language: English, French, German, Spanish, Italian, Czech, Polish, Russian, Chinese

## COMMUNICATION PROTOCOL

- ASCII-based communication protocol only
- HL7 communication

## TECHNICAL FEATURES

- Cleaning functions: Automatic Self Clean, Clean Washhead, Drain Chamber, Hard Cleaning, 5 Cycle Clean, Bleaching
- Export function: 3 level export type: Simple, Advanced, Extended
- Optional barcode reader for sample ID and QC Data upload

## PHYSICAL PARAMETERS

- Size (Width x Depth x Height)  
32 cm x 28 cm x 37 cm  
12" x 11" x 15"
- Weight: 13 kg, 29 lbs
- Power supply: 100-240 V AC, 12 V DC

## COMMUNICATION INTERFACE

- LAN
- USB

\* Please note this is the maximum number of measurement credits achievable, and varies on a number of factors

### Analyzer

Cat. No	Description
AV5	Abacus Vet5

Cat. No.	Product name	Pack size
DRP02HK	Diatro•Vet5 reagent pack	piece

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