

# Abacus Vet5

5-PART WBC DIFFERENTIAL  
VETERINARY ANALYZER



# ANALYZER OVERVIEW

Diatron has utilized its many years of expertise in developing and manufacturing hematology analyzers for the human clinical market to produce this veterinary analyzer for exclusive use in the animal healthcare field. The Abacus Vet5

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

## BENEFITS AND KEY FEATURES

### EASY TO USE

- With its large capacitive touch screen and user-friendly interface allows accurate data entry and monitoring of results and histograms enabling fast and efficient operation. Results can be retrieved via an on-board or an external printer. For those environments requiring it, 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

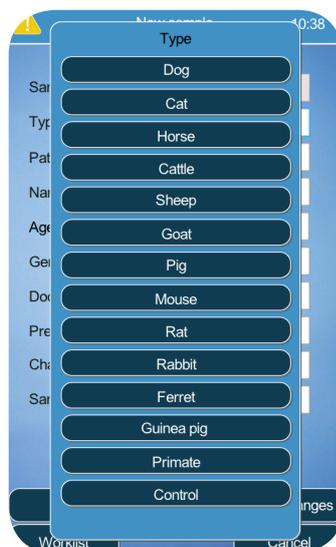
- Each Abacus Vet5 analyzer is almost maintenance-free resulting in minimal downtime and can store up to 5000 results.

# Abacus Vet5

## DIATRON REAGENTS

Our ISO 13485 certified reagent production is designed to meet the highest quality standards with all lots performance tested before release for sale. The Diatro•Lyse-Vet is cyanide-free and all reagents have an unopened shelf life up to

36 months when stored appropriately. 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, RDWc, RDWs, HGB, MCH, MCHC, PLT, PCT, MPV, PDWc and PDWs

## 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 Isotonic Diluent (Dil Vet), Lyse Vet, Diff Vet5, Cleaner and Rinse Vet
- 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

### Diatro•Vet5 Reagent Pack

SAP No	Cat. No.	Product name	Pack size
10023359	DRP02HK	Diatro•Dil-Vet	10 l
		Diatro•Lyse-Vet	200 ml
		Diatro•Diff-Vet5	800 ml
		Diatro•Rinse-Vet	500 ml
		Diatro•Cleaner	300 ml
10023301	D8011	Diatro•Hypoclean CC	100 ml

### Analyzer

Description	Catalogue No.	SAP No
Abacus Vet5	AV5	10022526



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Version Nr.AV5190528V6

