HEMAVET® 950

Veterinary 5 part WBC Hematology System

- 24 reportable CBC parameters including platelets and full 5 part differential
- Just 20µL sample volume required using direct primary tube sampling with auto probe wipe
- Two minute cycle time for fast result reporting
- Use of optimized convenient-to-use reagents gives cost effective operation for low or high volume users
- Multi-Species Quality Controls available to enable Good Lab Practice
- CBC's on up to six species at the press of a button through use of species specific keys
- Species specific normal ranges on printout for easy identification of abnormal samples
- Sophisticated flagging of abnormal results to give diagnostic assistance
- A variety of system choices to suit everyone from the start-up vet clinic to advanced research applications

HEMAVET® 950

Introduction

HEMAVET® analyzers have been setting the standard for veterinary hematology CBCs for over 10 years The **HEMA**VET® 950 takes that pedigree and improves it even further, offering automatic, primary tube sampling with probe-wipe.
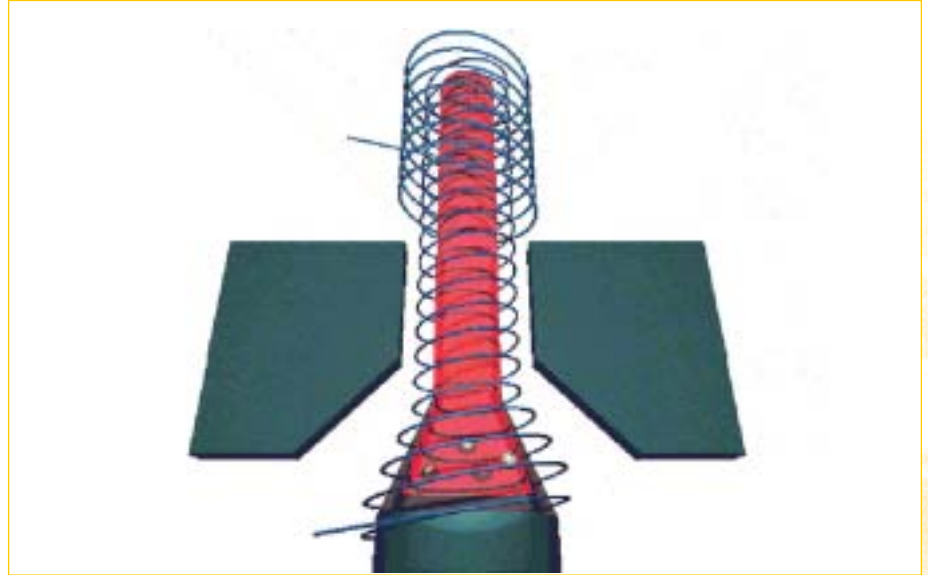
The History

The **HEMA**VET® range was the first system to be specifically designed for Veterinary Hematology applications. There have been thousands of units placed around the world, used in every type of situation from the companion animal vet office to the largest research labs. The **HEMA**VET® systems use specialized design and patented technology to give an edge over any other system on the market today. **HEMA**VET® systems have also been providing a quality complete 5 population white blood cell differential since 1995 (so we know it works!).

The Technology

The **HEMA**VET® provides superior cell separation for accurate and precise analysis through use of patented Focused Flow Technology (eleven patents issued) thus giving the best technology available for dealing with veterinary samples. In addition patented Expectation Maximization software helps categorize the different types of cells. All this combines to give exceptional performance and broad linearity for all types of animals. The **HEMA**VET® can handle everything from Pygmy Goats to Beluga Whales!

Research

The **HEMA**VET® is widely used in research establishments. There are two options available, the **HEMA**VET® 950 FS and the **HEMA**VET® 1700. See instrument specifications for more information.

HEMAVET® Specifications

Instrument & Species Option

Each **HEMA**VET® instrument is custom built to your own requirements. When ordering you need to specify which instrument type you want and which Pre Programmed Species you select for your instrument. The list of available species, depends on which model you choose.

HEMAVET® 950LV

This is the entry level model and is designed for users running lower numbers of samples. The unit comes as standard with two pre-selected species from:
Cat, Cow, Dog, Horse, Pig, Rabbit, Sheep.

HEMAVET® 950

This model is ideal for the vet running higher numbers of samples. The unit comes as standard with two pre-selected species from:
Calf, Cat, Cow, Dog, Ferret[1], Foal[1], Goat[1], Guinea Pig, Horse, Pig, Rabbit, Sheep.

HEMAVET® 950FS

This model is designed for the reference vet facility or research customer. In addition to the species offered on the 950 (See above), the **HEMA**VET® 950FS offers:

Camel[1], Deer[1], Elephant, Elk, HFRO (Human - for research only)[2], Llama[1], Monkey, Mouse, Rat.

All the **HEMA**VET® systems come with OTHER[1] key, which can be used for measuring samples from species not selected on your chosen instrument.

Sample type/handling: Automatic, primary tube sampling with probe-wipe from EDTA whole blood.

Sample volume: 20 μL whole blood.

Sample cycle: 2 minutes.

Data Input: Touch Keypad with up to six dedicated Species Keys and one 'OTHER' key. LCD display.

Data Output: Customized report (8.5"x11" or A4) with exclusive 3-D cytograms of WBC subpopulations, RBCs, PLTs plus additional flagging for NRBC#, NRBC%. RS232 port for external computer interface.

Data Storage: Optional 50 results on board.

Parameters: WBC, NE#, NE%, LY#, LY%, MO#, MO%, EO#, EO%, BA#, BA%, RBC, Hb, HCT, MCV, MCH, MCHC, RDW, Platelet Count, MPV, Reticulocytes#[3], Reticulocytes%[3], NRBC#[3], NRBC%[3].
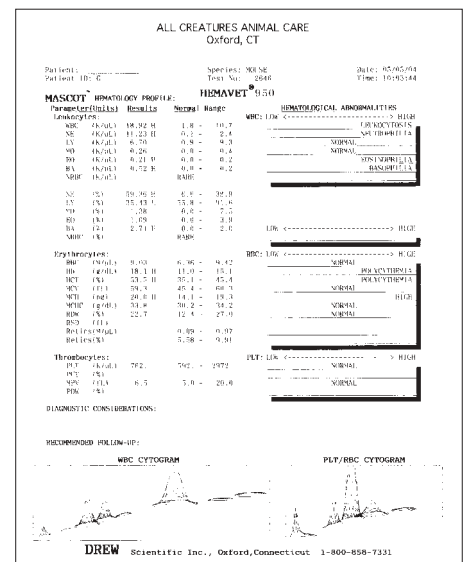
Flagging: Automatic distribution and morphological flagging. Hematologic abnormality charts indicating Mild, Moderate and Severe conditions.

1 On this species, the leucocyte parameter reports total WBC only and does not provide a WBC differential
2 Available on this instrument for an additional charge
3 Reticulocytes presence flagged on dogs only. Reticulocytes not detected on other species

HEMAVET® 1700

For customers requiring a wider selection of species than the six offered on the **HEMA**VET® 950 models, Drew offers the **HEMA**VET® 1700. Custom designed to fit Laboratory needs, it runs up to 65 Species. Instrument programmability allows users to develop methods for species not currently under our development list.

Parameter	Precision (Level x Units, CV)	Linearity (Range Units)
WBC	10.0×10^3 cells/μL, < 3.0%	0.1 to 200.0×10^3 cells/μL
RBC	7.0×10^6 cells/μL, < 3.0%	0.01 to 20.0×10^6 cells/μL
Hb	14 g/dL, < 2.0 %	0.1 to 35 g/dL
MCV	60 fL, < 1.0 %	30 to 300 fL*
Platelets	500×10^3 cells/μL, < 5.0 %	1 to 4000×10^3 cells/μL
Neutrophils	6.0×10^3 cells/μL, < 6.0 %	0.1 to 99.9%
Lymphocytes	6.0×10^3 cells/μL, < 6.0 %	0.1 to 99.9%
Eosinophils	2.0×10^3 cells/μL, < 12.0	0.1 to 99.9%

*Extended MCV linearity range (10 to 600 fL) available for Exotic Species Packages, eg Goat, Llama

Ordering Information

Part Code	Description
INSTRUMENTATION	
CDC-9950-004	**HEMA**VET® 950LV (Specify 110V or 220V)
CDC-9950-002	**HEMA**VET® 950 (Specify 110V or 220V)
CDC-9950-005	**HEMA**VET® 950FS (Specify 110V or 220V)
CDC-9950-006	**HEMA**VET® 1700 (Specify 110V or 220V)
CONSUMABLES	
200106	**FS-PAK** Reagent Pack
200108	**LV-PAK** Reagent Pack
610500	Probe-Clenz (1x30mL bottle)
ACCESSORIES	
018-0001-004	Rock 'n Roller Mixer (4 roller)

Part Code	Description
QUALITY CONTROL	
600063	MULTI-TROL Controls Horse (7x2mL vials)
600064	MULTI-TROL Controls Cat (7x2mL vials)
600065	MULTI-TROL Controls Mouse (7x2mL vials)
600066	MULTI-TROL Controls Dog (7x2mL vials)
600067	MULTI-TROL Controls Dog/Cat (7x2mL vials)
600068	MULTI-TROL Controls Dog (3x2mL vials)
600069	MULTI-TROL Controls Cat (3x2mL vials)
600070	MULTI-TROL Controls Mouse (3x2mL vials)
600071	MULTI-TROL Controls Horse (3x2mL vials)

CHEMISTRY

For all Veterinary Chemistry needs, Drew Scientific offers the Prochem V system. Inquire for further information