

## Micro-Cell 5 plus VET

5 part Diff Automated Hematology System



### Advanced Technology

> Latest innovation

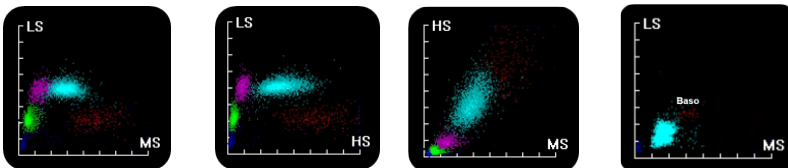
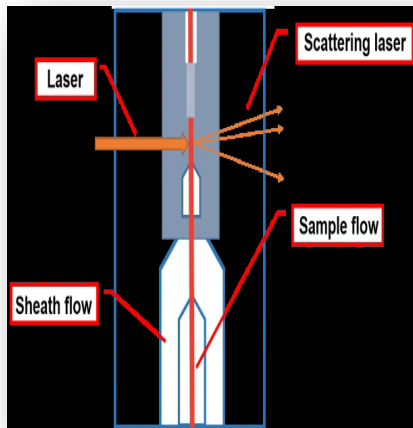
Tri-angle laser scattering and flow cytometry

Diff lyse added to differentiate 4 kinds of WBCs (Lym, Mono, Neut and Eos)

LH lyse to differentiate Baso and count WBC total amount.

Surrounded by sheath fluid, blood cells pass through the flow cell one by one at high speed.

While passing through the cells are exposed to a laser beam, the intensity of the scatter reflects the cell size and cellular density.

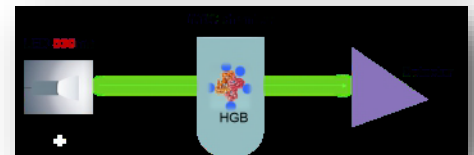
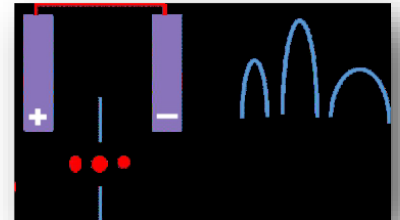


### Proven technology

> Impedance and Colorimetric

The count principle of the instrument is based on the measurement of change in electrical resistance produced by the blood cells.

Adding lyse in the blood, the red blood cell will rapidly be broken down and release hemoglobin. Then the hemoglobin is measured spectrophotometrically



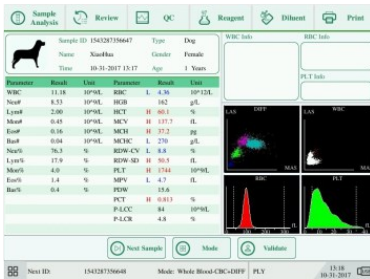
MicroVet Diagnostics

2300 W. Sahara Ave Suite 650

Las Vegas, NV 89102

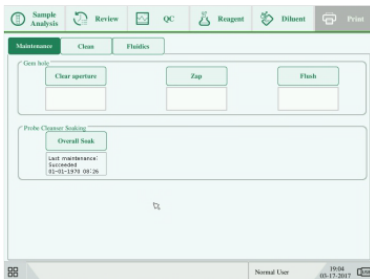
**800-640-7780**

## Interactive Interface



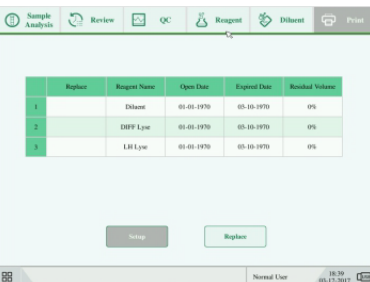
### Powerful data management

- ⇒ Flag information offered for better diagnosis
- ⇒ Stores 60,000 results with easy data transmission
- ⇒ 6 short-cut icons, more efficient



### Real-time monitoring

- ⇒ Automatically monitor reagent status
- ⇒ Including residual volume and expired date
- ⇒ Strictly monitor temperature, voltage, pressure and current



### Multiple maintenance

- ⇒ Multiple maintenance and self-checking functions
- ⇒ One-click function for basic trouble shooting

## Technical Specifications

- ◆ **Principle:** Triangle laser scatter, flow cytometry, impedance, cyanide-free HGB.
- ◆ **Parameters:** 25 parameters with 2 histograms and 4 scattergrams.
- ◆ **Throughput:** 60 samples per hour.
- ◆ **Calibration:** Manual and Auto-calibration
- ◆ **Sample volume:** 20ul
- ◆ **Reagents:** 3 reagents (2 lysers & 1 Diluent)
- ◆ **Printout:** customizable to built in thermal printer and supports external printer.
- ◆ **Sample mode:** Open mode
- ◆ **Maintenance:** Auto-cleaning of probes and tubes.
- ◆ **Interface:** 4 USB ports, 1 LAN port, HL7 protocol to support LIS.
- ◆ **Blockage clear:** High voltage, high pressure flush.
- ◆ **Power:** AC 100-240v, 50/60 1Hz
- ◆ **Dimension:** L430mm x W350mm x H435mm
- ◆ **Storage:** 60,000 samples with scattergrams and histograms

## Compact Yet Powerful

- ◆ 10.4-inch touch screen for convenient operation, also supports mouse and keyboard.
- ◆ Optional built-in barcode scanner to recognize samples and make patient information and results transmit more efficiently.
- ◆ Innovative optical system using advanced flow cell to assure the accuracy of blood cell differentiation and counting.
- ◆ Built-in thermal printer that supports manual and auto print functions also able to connect external printer and set your print content.
- ◆ Reagent “room” 2 lysers are placed inside the analyzer to minimize space utilization.