

# VetScan HM5™

## Technical Data and Specification

The VetScan HM5™ is a fully automated, 5-part differential hematology analyzer displaying a comprehensive 22-parameter complete blood count with cellular histograms on an easy-to-read touch-screen.

### Technical Data

Species:	<b>5-part differential</b> Dog, Cat, Horse, Cow, Alpaca, Llama <b>3-part differential</b> Rabbit, Guinea Pig, Ferret, Mouse, Rat, Monkey, Pig, Sheep and Goat (excl. PLT)
Parameter:	WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW, PLT, MPV, PDW lymphocyte (# and %) monocyte (# and %) granulocytes (# and %) neutrophil granulocytes (# and %) eosinophil granulocytes (# and %) basophil granulocytes (# and %)
Units:	conventional or SI
Measurement Principle:	impedance technology spectrophotometry
Sample Volumen:	50µL (5-part differential) 25µL (3-part differential)
Measurement Time:	3 minutes
Data Storage:	5.000 measurement
Data Interface:	USB connection
Dimensions:	36,5 x 32 x 26 cm (Lx D x H)
Weight:	approx. 12 kg

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## Count on a 5-part Differential!



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The VetScan HM5™ is a fully automated hematology device producing absolutely reliable and reproducible results in shortest time. Via the established impedance technology, the analytical device determines a complete blood count including a 5-part differential with only 50 µL EDTA-blood. The VetScan HM5™ differentiates leukocytes of the pre-installed standard animal species dog, cat, horse, cow, llama and alpaca into lymphocytes, monocytes, neutrophil granulocytes, eosinophil granulocytes and basophil granulocytes.

Further animal species are deposited in the software of the VetScan HM5™ including e.g. rabbit, guinea pig, ferret, pig and sheep. For these species, the machine determines a complete blood count including a 3-part differential of the granulocytes. Besides blood analysis, the VetScan HM5™ offers the possibility to analyze synovial fluid and hematoma as sample material.

### 5-part Differentiation

Dog, Cat, Horse, Cow, Llama and Alpaca

### 3-part Differentiation

Rabbit, Guinea Pig, Ferret, Mouse, Rat, Monkey, Pig, Sheep and Goat

## Easy-to-Use

Patient records, measurement results and quality control data can be easily managed by the user-friendly menu-navigation of the VetScan HM5™. The menu-navigation is supported by a large colored touchscreen. The big comprehensible icons facilitate the handling during the daily routine.



#### Step 1:

Enter the patient information via touchscreen.



#### Step 2:

Insert the sample in the sample adaptor and push the start button. The VetScan HM5™ measures fully automatically.



#### Step 3:

All results are displayed in the touchscreen and printed out with the internal printer. Optional, the results can be automatically sent to the practice software or to an external USB printer.



## Results

Results will be directly shown on the display once the measurement is finished. For secure interpretation of the results, every parameter is accompanied by the reference ranges as well as detailed interpretation reports (flags). In addition to the results of every single parameter, the histograms of the several cell populations are clearly arranged in the display.

## State of Health

In a matter of seconds the VetScan HM5™ provides an overview of the results for each parameter and shows the trend of the results by means of a chart. You will get important information about the state of health of your patient within seconds.

## Data Management

Having finished the measurement the VetScan HM5™ automatically submits the results to the management software or the internal/external printer. The VetScan HM5™ can be connected to all prevalent management softwares. The device has an internal memory allowing to analyze, print or send the results to the management software.

