

HORIBA



Hematology Analyzer
for Veterinary

Microsemi
LC-712G



For
Veterinary

"Since animals cannot communicate symptoms verbally, we strive to obtain necessary information through rapid testing."

Responding to such demands from veterinarians, the Microsemi LC-712G hematology analyzer for veterinary offers streamlined solutions with high accuracy, featuring micro sampling and intuitive operation.

Compact

Reduced footprint by approx. 18% compared to our previous model LC-662G

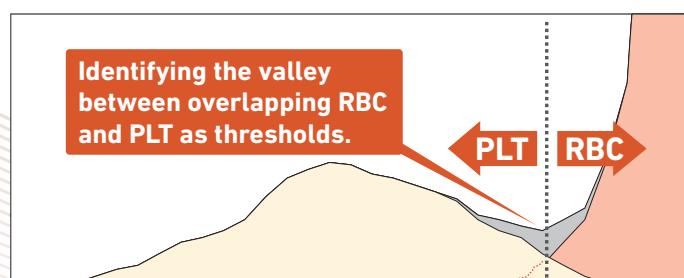
Reducing size to optimize installation space.



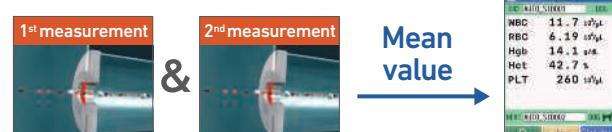
Accuracy

Advanced ability to differentiate blood cell sizes ensures precise platelet measurement.

It identifies the threshold for RBC / PLT, classifying any cells smaller than the threshold as PLT. [?] flag will be added to the PLT-related data if the threshold cannot be detected.



Highly reliable results by conducting multiple measurements



Significant difference

If 1st and 2nd measurements show no significant difference, the mean value is reported.

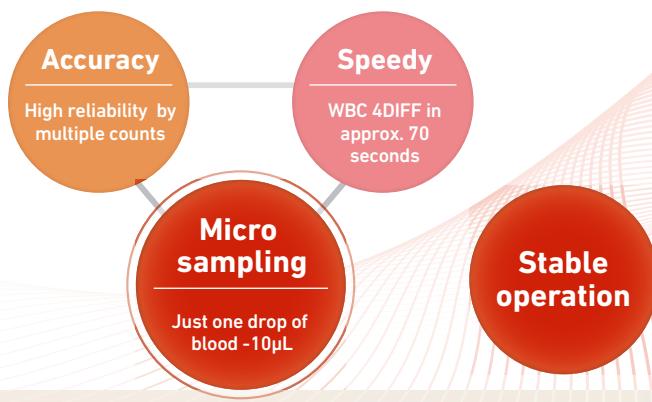


If 1st and 2nd measurements differ significantly, an automatic 3rd measurement will be conducted, and the result will be displayed with a flag.

1st meas. \neq 3rd meas.
or
2nd meas. \neq 3rd meas.

All varied





Whole Blood / Micro-sampling

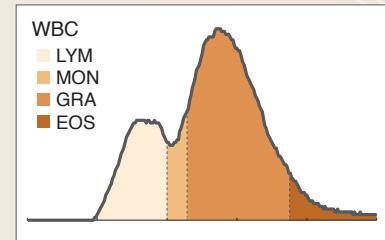
1. Sample aspiration volume 10µL

It reduces the burden of blood collection even for small dogs and cats.



2. Specialized lysing reagent for animal samples

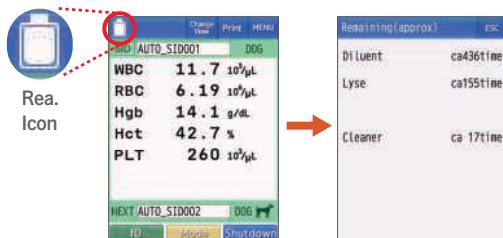
It classifies LYM, MON, GRA, and provides EOS as a reference value.



Reagents

One-touch reagent volume check

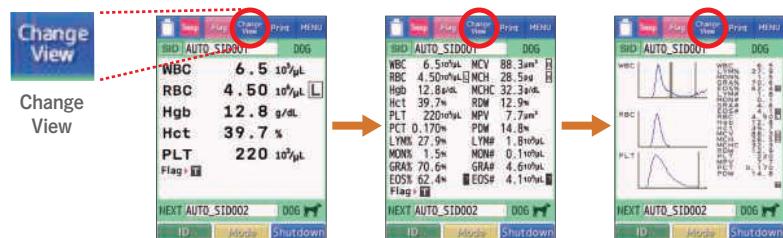
Press the reagent icon to see the estimated remaining tests available.



Result Views

Seamless result viewing options with one-touch

Result ⇒ Detailed Result ⇒ Histogram



Improve Operational Efficiency

The timer function allows for tests to be ready at any time.

The device automatically starts up, cleans, and shuts down based on timer settings. A special timer provides more flexible settings from the calendar.



Stable Operation

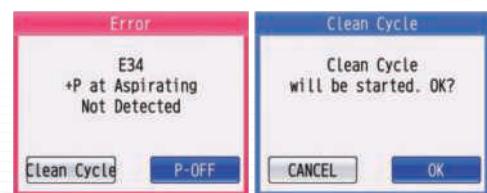
Equipped with a dedicated filter

Ensuring consistent performance, even with animals prone to blood clotting.



Optimized cleaning cycle

In case of errors due to blockages such as blood clots, improved cleaning cycle can restore operation.



Specifications

Product Name	Veterinary Hematology Analyzer Microsemi LC-712G
Model	LC-712G
Measurement mode	Dog, Cat, QC, OTHER
Measurement parameters	WBC, RBC, Hgb, Hct, PLT, LYM#*, MON#*, GRA#*, EOS#*
Calculation parameters	MCV, MCH, MCHC, RDW, PDW, PCT, MPV, LYM%*, MON%*, GRA%*, EOS%*
Volume of aspirated sample	10µL
Measurement time	Approx. 70 seconds
Reagent	Emidil, Vetylse, Emiclean, Minoclear, LC-REF, LC-TROL 16N, LC-TROL 16A
Data Processing	LCD colour touch screen, Sample holder cover(Measurement start), Optional barcode reader, Built-in thermal printer, USB stick, RS-232C, Ethernet™
Power source	AC 100 V- 240 V ± 10%, 50Hz / 60Hz
Power consumption	85 VA
Dimensions	Instrument: 220 mm(W)×440 mm(D)×430 mm(H) Reagent bottle holder: 75 mm(W)×200 mm(D)×70 mm(H)
Weight	15 kg

*Not available in OTHER mode

Lists of consumables



Emidil
Content: 10L x1



Emiclean
Content: 600mL x1



Vetylse
Content: 200mL x1



Minoclear
Content: 500mL x1



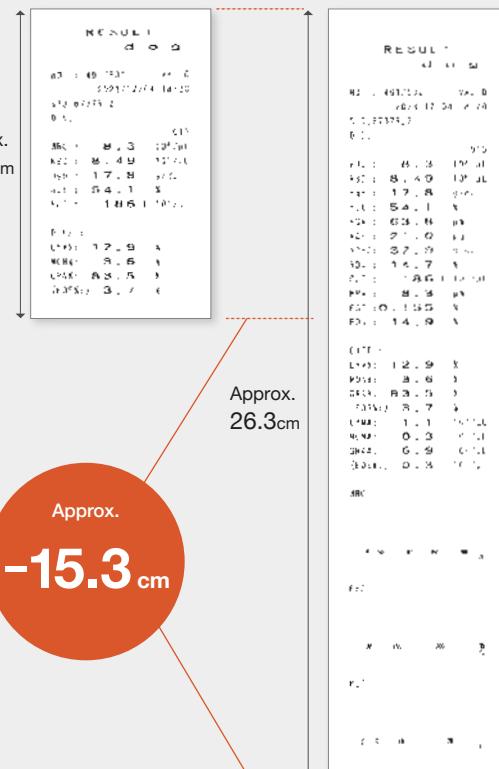
LC-TROL 16N
LC-TROL 16A(L, H)
Content: 2mL x 1 per level



LC-REF
Content: 2mL x1

Printing settings

Flexible printing options available



The HORIBA Group adopts IMS (Integrated Management System) which integrates Quality Management System ISO9001, Environmental Management System ISO14001, and Occupational Health and Safety Management System ISO45001. We have now integrated Business Continuity Management System ISO22301 in order to provide our products and services in a stable manner, even in emergencies.



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Worldwide locations of HORIBA