



BC-5300 Vet
Auto Hematology Analyzer



Αυτο Ηεματολογική Αναλύσει
BC-2300 Vet



Let's go! BC-5300Vet pampers your need to get a real 5-part hematology report for dog, cat and horse. With the state-of-art laser scatter method, microsampling technology, friendly PC software and economical reagent kit, it is unprecedentedly easy and reliable to work with BC-5300Vet.

Microsampling

Only 20ul of blood (both whole blood mode and prediluted mode) is enough to start the CBC+DIFF test on BC-5300Vet. By single clicking, you can receive the complete report in 1min.



V-53 Reagent Kit

An innovatively designed reagent kit to sustain one month use (3 samples per day). The time-pack design ensures you lower leftover and easy replacement.



Laser Differential

The compact laser system collects forward and side scatter lights to differentiate cells based on size and granule complexity. The differential delivers you 23 parameters including the precise counting for lymphocytes, monocytes, neutrophils, eosinophils and basophils.

Friendly and Powerful Software

The well organized software design gives you easy control for the patient records, sample results, diagnostic comments and report customizations. 40,000 sample results can be stored and you can easily search records and export statistics. Versatile report formats facilitate your printing. Automatic maintenance programs can be executed by double-clicking while operational errors can be removed by single clicking.



Technical Specifications:

Principles

Laser scatter, flow cytometry and chemical dye methods for WBC differential
Advanced DC impedance method for RBC and PLT counting
Cyanide free reagent for hemoglobin measurement

Parameters

WBC, Neu%, Lym%, Mon%, Eos%, Bas%, Neu#, Lym#, Mon#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT

Sample Volume

CBC+DIFF 20 μ L
CBC 15 μ L

Whole blood and prediluted mode are supported

Throughput

Up to 60 samples per hour

Performance

	Precision	Linearity	Carryover
WBC	$\leq 3.0\%$ (6.00-15.00) $\times 10^9/L$	0.00-99.99 $\times 10^9/L$	$\leq 0.5\%$
RBC	$\leq 2.0\%$ (3.50-10.00) $\times 10^{12}/L$	0.00-16.99 $\times 10^{12}/L$	$\leq 0.5\%$
HGB	$\leq 2.0\%$ (110-180) g/L	0-250g/L	$\leq 0.6\%$
PLT	$\leq 6.0\%$ (150-500) $\times 10^9/L$	0-2999 $\times 10^9/L$	$\leq 1.0\%$

Data Storage Capacity

Up to 40,000 results including numeric and graphic information

Communication

LAN port supports HL7 protocol

Operating Environment

Temperature: 15°C~30°C
Humidity: 30% ~85%
Air Pressure: 70 kPa~106 kPa

Power Requirement

A.C 100V-240V, ≤ 300 VA, 50/60 Hz

