

ABX **Micros** **ESV60**

Animal Blood Counter



CBC + 3DIFF + Eosinophils
Comprehensive data management
Integrated color touch screen

Micros
ESV60

ABX Micros **ESV60**

The Gold Standard of Hematology Vet analyzer

A new generation hematology analyzer based on the Micros concept, universally recognized for its reliability, robustness and high quality results

- 50 samples per hour
- 10 animal species*
- 8 or 18 parameters
- CBC + 3 DIFF + Eosinophils

ABX Micros Concept "Zero maintenance" system

ABX Liquid valves

Precise volume and reliability

ABX stepper motor vacuum pump

Noiseless running (no-compressor)



ABX Micro-sampling

- Only 10 μ L of whole blood per analysis



USB connection

- Archiving results
- Downloading QC target values



Unique pack system

- Innovative ABX patent integrating 2 reagents, 1 cleaner and waste
- Ready to use
- Simplify your lab organisation
- Cyanide free reagent



Automatic system monitoring

- Real-time instrument status
- Automatic reagent test count down
- Automatic daily maintenance
- Complete traceability

* Dog, cat, horse, rat, mouse, rabbit, pig, monkey, cow and sheep



More Powerful, More Intuitive, More Secured, More Connectivity...

The perfect combination of intuitive use and innovative technologies

- User friendly interface with rapid access to all menus and virtual keyboard
- Easy selection of animal species
- Multi-connection capability (network and peripherals)
- Flexible data exchange

Easy selection of animal species >

18 parameters for dog, cat and horse
8 parameters for rabbit, rat, pig, mouse,
monkey, cow and sheep



Easy interpretation >

Control all the parameters from the main screen
Access to detailed results (normal ranges and curves)
1000 results capacity
Unlimited archiving (external viewer)
Customized reporting format



Comprehensive quality control program >

3 simultaneous activated blood control levels
Levey-Jennings graphics
XB management
Upload / Download control information



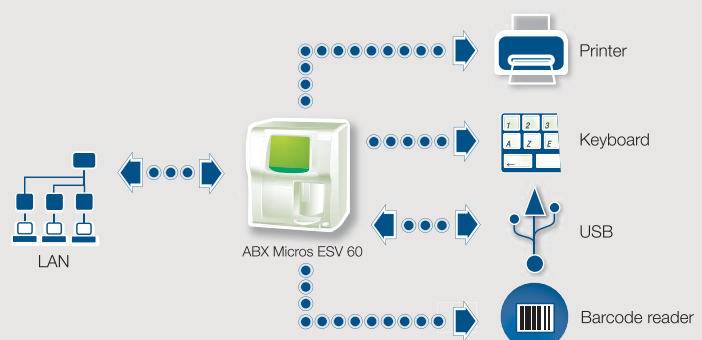
Full Connectivity Integrated Technologies

Software

Java™, Linux Operating System, HTML

Hardware: 7 connections ports

RS232 (2), USB (3), PS2 (1), RJ45 (1)



ABX Micros ESV60

Animal Blood Counter



PHYSICAL SPECIFICATIONS

Dimensions & Weight:

Height	Width	Depth	Weight
16.9 in	14.2 in	14.2 in	30.9 lb
43 cm	36 cm	36 cm	14 kg

Throughput*:

50 samples/hour

* Throughput performance is reachable in optimized conditions with an admitted margin for variation of 10%.

Sound Pressure Level:

< 60 dBa

Operating Temperature & humidity:

16 to 30°C (61 to 86°F) room temperature.

Maximum relative humidity 85% for temperature up to 30°C (86°F)

Specimen Volume:

10 µL

Power Requirements:

Power supply from 100 V to 240 V (± 10%)
50 Hz to 60 Hz

Power consumption Maximum 110 VA

Reagent:

ABX Vet pack (4,2 L, cyanide free)

METHODS & TECHNOLOGIES

RBC/PLT Detection Principles

Method	Impedance
Ruby diameter	50 µm
Depression of count	200 mb
Duration of count	2 (or 3) x6 seconds
Dilution ratio	1/15 000

HGB Measurement

Method	Photometry
Wavelength	550 nm
Dilution ratio	1/255

HCT Measurement

Method	Numeric integration
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WBC Measurement

Method	Impedance
Ruby diameter	80 µm
Depression of count	200 mb
Duration of count	2 (or 3) x6 seconds
Dilution ratio	1/255

LMGE Differentiation

Method	Impedance + specific lyse action
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MCV, MCH, MCHC, RDW

Calculation

SOFTWARE

8.43 LCD screen
256,000 colors, 640 x 480 pixel resolution
Inverter card for LDC screen
Touch screen technology
Secure digital memory card: 512 Mo
Linux Operating System

OUTPUTS

- RS232C output
- External printer
- External barcode reader
- External keyboard
- Ethernet

PARAMETERS & PERFORMANCE DATA

8 Parameters:

Rabbit, rat, mouse, pig, monkey, cow and sheep

WBC	RBC	PLT
	HGB	
	HCT	
	MCV	
	MCH	
	MCHC	

18 Parameters:

Dog, cat and horse

WBC	RBC	PLT
LYM# & LYM%	HGB	MPV
MON# & MON%	HCT	
GRA# & GRA%	MCV	
EOS# & EOS %	MCH	
	MCHC	
	RDW	

CERTIFICATION

EN 61326:1997/A1:1998/A2:2001/A3:2003
IEC 61010-1: 2001
IEC 61010-2-081: 2001 / A1: 2003
UL61010-1: 2004
C22.2 N°61010-1: 2004
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