

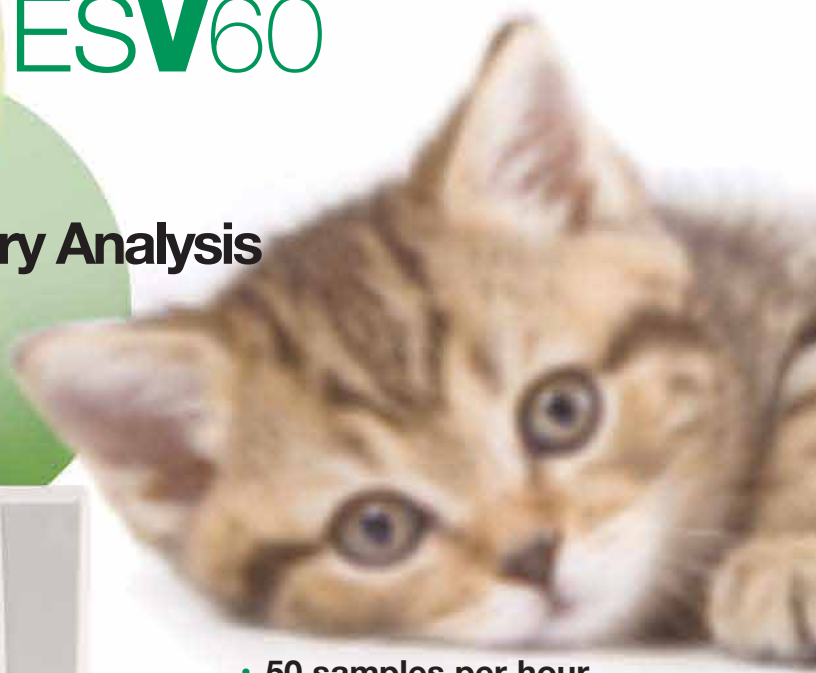
ABX **Micros** **ESV60**

Animal Blood Counter



ABX **Micros** **ESV60**

The Gold Standard in Hematology Veterinary Analysis



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

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

• User friendly interface

• Easy selection of animal species



ABX Micro-sampling

- Only 10µL of whole blood per analysis



USB connection

- Archiving results
- Downloading QC target values



Unique pack system

- Ready to use pack reagents
- Innovative HORIBA Medical patent integrating 2 reagents, 1 cleaner and waste
- Cyanide free reagent



Automatic system monitoring

- Real-time instrument status and complete tracability
- Automatic reagent test count down
- Automatic daily maintenance

The perfect combination of **intuitive use** and **innovative technologies**

ABX Micros Concept

**“Zero
maintenance”
system**

ABX Liquid valves

*Precise volume and
reliability*

ABX stepper motor vacuum pump

*Noiseless running
(no-compressor)*

Full Connectivity

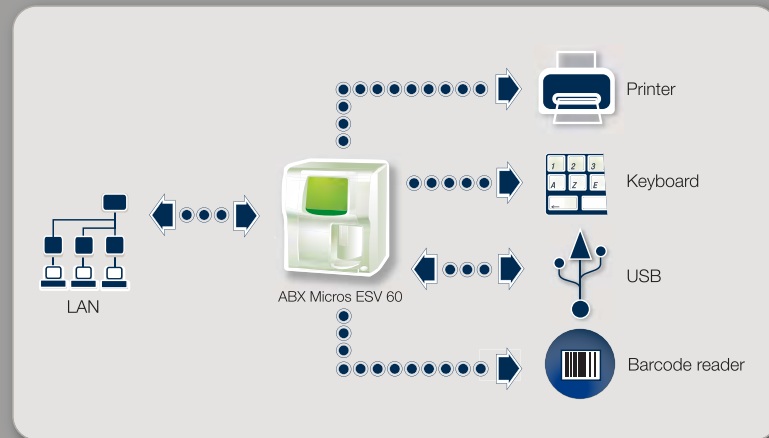
Integrated Technologies

Software

Java™, Linux Operating System, HTML

Hardware: 7 connections ports

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



● Multi-connection capability (network and peripherals)



Easy selection of animal species

- 11 animal species available
- 18 parameters for dog, cat, horse and ferret
- 8 parameters for rabbit, rat, pig, mouse, monkey, cattle and sheep



Easy interpretation

- Access to detailed results
- 1000 results capacity
- Unlimited archiving (external viewer) and customized reporting format



Comprehensive quality control program

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

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, cattle and sheep

WBC	RBC	PLT
	HGB	
	HCT	
	MCV	
	MCH	
	MCHC	

18 Parameters:

Dog, cat, horse and ferret

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
cTUVus mark



Operating IMS

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