

# 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 10µL 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



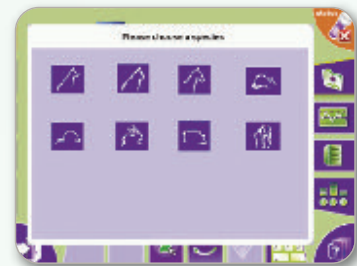
# More Powerful, More Intuitive, More Secured, More Connectivity...

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



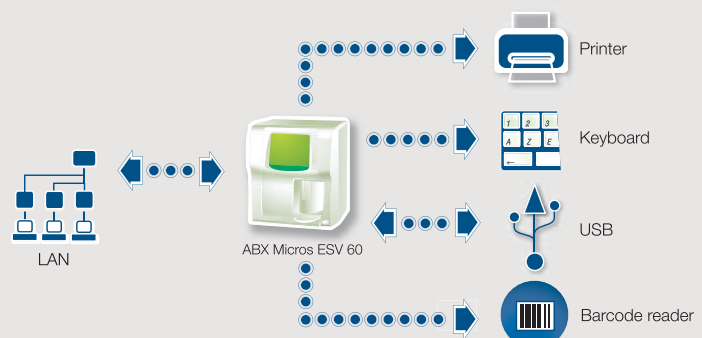
## Full Connectivity Integrated Technologies

### 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  
cTUVus mark

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