



EC 90 VET

Advanced Electrolyte Analyzer for Veterinary Needs



Making Automation Affordable
for Labs Everywhere

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EC 90 VET

Thanks to its **innovative biosensor technology**, **dedicated veterinary software**, and **high-quality components**, the EC 90 Vet delivers fast, accurate, and reliable results tailored to animal care.

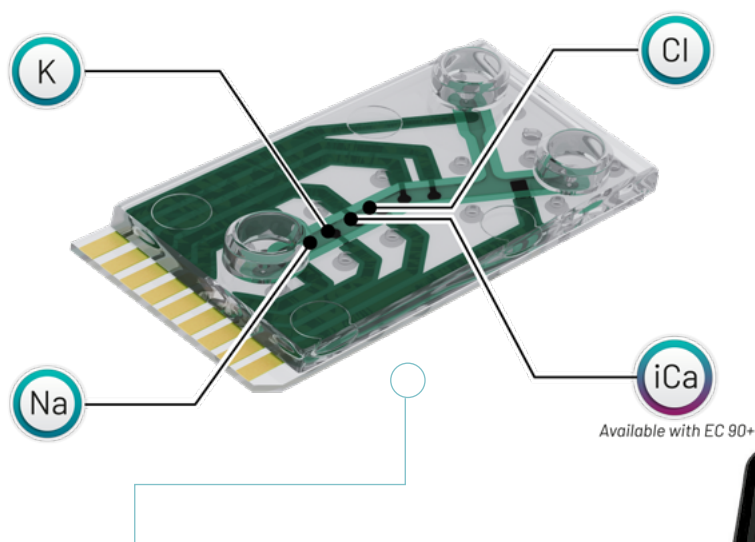
Designed for measuring Na^+ , K^+ , Cl^- , and iCa^{2+} , the EC 90 Vet analyzer brings next-generation electrolyte testing to veterinary laboratories and clinics.

Its solid-state ISE technology ensures consistent performance, while the simplified operation and dedicated veterinary interface enhance usability and workflow efficiency across a wide range of animal species.



The Magic is in the **BIO**sensor

PATENTED TECHNOLOGY



INNOVATIVE

- Clean biosensor technology
- Maintenance free technology
- Advanced connectivity and data management
- 35 μL Sample volume
- Low reagent consumption
- 35 seconds analysis time



PRECISE

- Integrated reference sensor
- Automatic 1 and 2-point calibrations
- Fully functional QC module
- Within-run precision $< 1\%$ CV
- Extended linearity of all parameters
- Advanced flagging



ACCESSIBLE

- Large touch screen and clean software design
- 3 months cartridge life
- Self-contained waste
- Plug and play



THE CARTRIDGES



STABLE

3 month cartridge life



SUSTAINABLE

The EC 90 cartridge won a Sustainability Design Award in Germany and Austria for innovative packaging construction, which helps reduce the environmental impact of disposable elements.

All cartridges store waste for easy handling and simple disposal.



MULTI VET software



13 species programmed and option to add **one user define species**



CAT NO	PRODUCT NAME	PACK SIZE
VET00001	EC 90 VET	Analyzer with accessories
VET00002	EC cartridge VET (plus iCa version)	250 samples / 3 months

TECHNICAL SPECIFICATIONS

Touch Screen	Operating Conditions
8.4 inch colour touch screen	15–35 °C (59–95 °F) / 15–90 % humidity
Display	Electronics
600 × 800 pixel graphic display	microprocessor controlled
Power	Connectivity
100–240 VAC 50/60 Hz 60 W	2 × USB-A, 1 × USB-B, 1 × LAN, 1 × RS232
Dimension	Weight
D: 425 mm × W: 268 mm × H: 334 mm	< 8 kg
Software	Printout
MULTI VET software	built-in, 24 column thermal printer
Barcode Scanner	
Sample/Patient ID, QC Materials Data	
Parameters	Technology
Na ⁺ , K ⁺ , iCa ²⁺ , Cl ⁻	electrochemistry, thick film biosensor cartridge
Principle	Sample Type
direct measurement	whole blood, plasma, serum, dil. urine, aqueous sol.
Sample Volume	Sample Temperature
35 and 90 µL measuring modes	15–35 °C
Throughput	Analysis Time
90 samples/hour	35 sec
Data Storage	Data Management
10 000 samples	fully functional QC with Levey-Jennings and Westgard rules, programmable reference ranges, advanced flagging
Language/s	1-point calibration
EN, PT, FR, DE, ES, RU, PL	automatic 1-point calibration with every sample or on-demand
2-point calibration	Standby Mode
automatic 2-point calibration every 12 hours or on demand	automatically controlled or user defined

Metrological data	Resolution	Display Range	Reproducibility (% CV)		Canine		Feline		Equine	
			Within-Run	Between-Run	Low	High	Low	High	Low	High
Serum, plasma, aqueous, whole blood	[mmol/L]	[mmol/L]								
Na ⁺	0.1	20–200	≤ 1	≤ 2	144	160	150	165	133	150
K ⁺	0.01	0.2–40	≤ 1	≤ 2.5	3.5	5.8	3.5	5.8	3.0	5.3
Cl ⁻	0.1	25–200	≤ 1	≤ 2.5	109	122	112	129	97	109
iCa ²⁺	0.01	0.1–6.0	≤ 0.02 SD in mmol/L	≤ 0.03 SD in mmol/L	1.25	1.50	1.13	1.38	1.50	1.79



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TOTAL SOLUTIONS FOR CLINICAL DIAGNOSTICS
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