Veterinary Blood
Gas & Electrolyte
Analyzer

seamaty

VG1

Veterinary Blood Gas & Electrolyte Analyzer



A handheld veterinary blood analyzer that delivers lab-quality, diagnostic results in minutes.

www.seamaty.com

VG1 Veterinary Blood Gas & Electrolyte Analyzer

The Seamaty VG1 is an easy-to-use handheld veterinary analyzer with accurate blood gas, electrolyte, and critical care biochemistry results in just a few minutes, and allows you to do the diagnosis anywhere.

Easy operation

Testing can be performed in 3 simple steps with only 2 or 3 drops of whole blood.

Patient care

Get accurate results in 4 minutes at the patient's side to enable rapid decision-making, and optimize patient-care.

Multi-parameter card

Single-use test card offer a broad menu of tests on a single, portable platform. Each test card has a unique combination of biosensors to suit a wide range of clinical needs.

Handheld portability

Lightweight with a built-in battery allowing diagnosis at the point of care, patient side, out in the field, or exam room.

Reader

Sample	Arterial or venous whole blood	**Sample volume**	100 μL
Bar code	QR code	**QC & calibrate**	IQC (Intelligent Quality Control)
Display	4.3 IPS touch screen	**Connectors**	Type-c
Power	5V 2A	**Battery**	3.7V, 5000mAh
Printer	Built-in thermal printer	**Operating temperature**	Temperature: 5 - 32 °C; Relative humidity⩽85%;
Weight	600g		

Test Card

*Calculated parameters
#Under development parameters

Measured Parameters			
pH	*pCO_2*	*K^+*	*pO_2*
Na^+	*Ca^{2+}*	*Cl^-*	*Hct*
Lac	*Glu*	*BUN#*	*Crea#*

Calculated Parameters		
*TCO_2**	*AG**	*$cHCO_3^-$**
*BE(ecf)**	*cSO_2**	*BE(b)**
*cHgb**		

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