



IDEXX **VetStat**®

Electrolyte and Blood Gas Analyser



**Blood gas and electrolyte
results made easy**



The IDEXX VetStat® Electrolyte and Blood Gas Analyser is the only in-house blood gas analyser modified specifically for veterinarians that provides fast, accurate results for electrolytes, blood gases, acid-base balance, ionised calcium, glucose, anion gap, tCO₂ and bicarbonate.

Ease of use

- User-friendly touch screen, with simple menu-driven navigation can be used by any staff member
- Automated sample aspiration reduces staff time and training
- Room-temperature cassette storage allows you to run tests at any time
- VetStat® is portable; AC-operated or with a rechargeable battery allows independent operation for up to eight hours

Reliability

- Automated sample aspiration minimises errors by the operator
- Barcoded cassette automatically captures each lot's unique calibration curve
- On-board, species-specific reference ranges

Cost-effectiveness

- VetStat® single-use cassettes allow for a consistently low per test price
- 5-cassette packaging significantly reduces the risk of expired product

Specifications

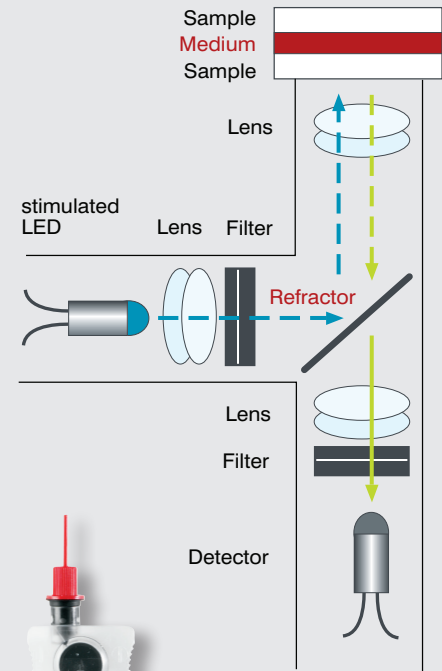
Species: canine, feline, equine
Sample size: 125 µL
Sample type: whole blood in li-heparin (capillary, venous), whole blood (arterial) plasma or serum
Analysis time: <120 seconds

Available single-use cassettes

Cassette	Tests	Cassettes per Package	Storage
Electrolytes 8 Plus	Cl ⁻ , K ⁺ , Na ⁺ , HCO ₃ ⁻ , PCO ₂ , pH, tCO ₂ , and anion gap	5	Room temperature
Respiratory/ Blood Gas	Cl ⁻ , K ⁺ , Na ⁺ , HCO ₃ ⁻ , PCO ₂ , pH, PO ₂ , SO ₂ , tCO ₂ , tHb, anion gap and base excess	5	Room temperature
Ionised Calcium	Ca ²⁺	5	Room temperature
Glucose	GLU	5	Room temperature

Technology

A stimulated LED emits a constant blue light of known intensity that passes through a system of lenses and filters. A light ray refractor directs the light to a sensor. When the light hits the sensor the molecules are stimulated and become fluorescent. VetStat® uses fluorescent molecules (sensors) which emit light depending on the concentration of the relevant analyte. The fluorescent light emitted passes through a lens and filter. A photodetector converts the light (photons) into a voltage, which is in turn converted into a digital format that is read and analysed.



www.idexx.com

IDEXX
LABORATORIES

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