



In Vitro Diagnostic Products for Veterinary Medicine





A Technology Leader

Nova Biomedical is the world leader in whole blood biosensor development. Beginning with the world's first whole blood biosensors for sodium, potassium, and ionised calcium, Nova was the first to develop over 20 whole blood biosensors. Some biosensors are not available from any other manufacturer. Our StatStrip glucose biosensor technology, which measures and corrects for interferences, has achieved worldwide scientific acclaim for its breakthrough improvement in accuracy. Over 200 published scientific studies have proven the laboratory-equivalent accuracy of StatStrip in point-of-care settings such as intensive care, neonatal intensive care, surgery, and burn care. It is the only glucose biosensor proven to have no clinical interferences and accurate enough for use with critically ill patients.

In addition to whole blood biosensor technology that utilises electrochemistry, we have developed analysers using whole blood immunoassays, whole blood photometry, and whole blood digital imaging techniques.

Maintaining leadership in any technology industry requires a long-term perspective and commitment to research and development. Nova Biomedical has consistently invested more than 10 percent of sales into research and development—double the industry average. Nova employs over 135 scientists and engineers in research and development, including 25 doctoral level scientists. Our investment in research and development provides continuous product improvement and new advanced technology for our customers.

Directed by Medical Science

Through our Medical and Scientific Affairs department, we work with clinicians throughout the world to study areas of clinical need that can be improved through the application of our measurement technologies. We also encourage studies of our products in patient populations that stress the limits of analytical performance. Over 200 papers have been published in peer-reviewed journals over the last eight years that validate the excellent performance of our products in patients with sepsis and septic shock, trauma, kidney disease/injury, burns, oncology, and surgery.

STAT PROFILE Prime⁺VET



Stat Profile Prime Plus VET Analyser

Prime Plus VET is a comprehensive, rapid, critical care analyser that measures 22 tests including blood gases, electrolytes, metabolites, and CO-Oximetry in about 1 minute from 135 µL of whole blood. Prime Plus VET combines maintenance-free, replaceable cartridge technology for sensors and reagents with patented, new, maintenance-free, and non-lysing whole blood CO-Oximetry. Prime Plus VET provides customisable species test panels for canine, feline, equine, bovine, and porcine testing, as well as open panels for up to 30 other species.

Each species panel has its own user defined reference range.

Test Menu:

pH PCO₂ PO₂ SO₂% Na K Cl iCa TCO₂
iMg Glu Lac
BUN (Urea) Creat Hct O₂Hb COHb
MetHb HHb tHb HbF
tBil and 32 other calculated results

Dimensions:

Width: 36.7 cm (14.2 in) Depth: 39.4 cm
(15.5 in)
Height: 46.2 cm (18.2 in) Weight: 31.3 kg
(69 lb)

STAT PROFILE Prime⁺VET



Stat Profile Prime VET Analyser

Prime VET combines new consumer based micro-electronics with new technology micro-sensor cartridges to produce a smaller, faster, more powerful, and less expensive analyser for blood gas, electrolyte, and metabolite testing. Prime VET's 10-test critical care profile is ready in about 1 minute, with throughput of up to 45 samples per hour. Prime VET's maintenance-free calibrator and sensor cartridges lower costs. Simple, colour touchscreen operation and automated, liquid quality control are standard features.

Test Menu:

pH PCO₂ PO₂ Na K Cl iCa Glu Lac Hct

Dimensions:

Width: 30.5 cm (12 in) Depth: 36.2 cm
14.35 in
Height: 39.06 cm (15.38 in) Weight: 8.167
kg (17.9 lb)

STAT PROFILE Prime⁺VET ELECTROLYTE SYSTEM



Stat Profile Prime VET Electrolyte Analyser

An advanced technology electrolyte analyser that has all sensors combined in a single, replaceable, maintenance-free card for a simple and easy-to-use device. The Prime VET electrolyte analyser measures electrolytes on whole blood, serum plasma, and urine. Results are available as fast as 1 minute.

Test Menu:

Na K Cl iCa iMg

Dimensions:

Width: 30.5 cm (12 in) Depth: 14.35 in
(36.2 cm)
Height: 39.06 cm (15.38 in) Weight:
8.167 kg (17.9 lb)



Veterinary Portable Meters

Nova's veterinary meters are portable and easy to use. They are operated the same way as glucose meters used by people with diabetes. Nova's meters employ single-use biosensors that do not need calibration or preparation before use. Blood sample volume is small (1-2 µL per test) and can be obtained using a lancet. Capillary action draws the sample into the biosensor.

StatStrip[®] GLUCOSE



With data storage plus full data transmission and connectivity

StatStrip[®] GLUCOSE/KETONE (Two Test Strips)



With data storage plus full data transmission and connectivity

StatStrip[®] LACTATE/HAEMOGLOBIN/HAEMATOCRIT (Two Test Strips)



With data storage plus full data transmission and connectivity

STATSTRIP[®] Xpress[®] 2 GLUCOSE



With data storage

STATSTRIP[®] Xpress[®] 2 GLUCOSE/KETONE (Two Test Strips)



With data storage

STATSTRIP[®] Xpress[®] LACTATE/HAEMOGLOBIN/HAEMATOCRIT (Two Test Strips)



With data storage

Blood Glucose Monitoring

The world's most accurate hospital glucose meter technology—proven in over 200 publications of hospital studies.

Blood Glucose and Ketone Monitoring

The world's most accurate hospital glucose meter technology adds ketone measurement with a separate biosensor.

Lactate Assessment and Monitoring

Lactate is a biomarker for assessing and guiding therapy for tissue hypoxia in sepsis and septic shock.

- 0.6 µL, results in 13 seconds

and

Anaemia and Blood Donor Screening

Measures, not calculates, both haemoglobin and haematocrit.

- 1.6 µL, results in 40 seconds

Meters can be used either as a single purpose for Lactate only or Haemoglobin/Haematocrit only, or as a dual purpose meters.

LACTATE PLUS

LACTATE



With data storage

Tissue and Muscle Hypoxia

Nova offers a meter for blood lactate, a key indicator for aerobic conditioning and endurance training of animals.

nova Vet™

KETONE/GLUCOSE



With data storage

Nova Vet Ketone/Glucose Meter

Measures blood beta-hydroxybutyrate, the gold standard for detecting subclinical ketosis in animals. Nova Vet's single-use biosensor provides accurate ketone results in 10 seconds from a 0.8 μ L whole blood sample. Glucose testing can be performed with the same meter.

For more information or to arrange a demonstration to see the benefits for yourself, please contact us on **1300 845 762** or at **poc@amsl.com.au**

amsl.com.au

AMSL is a subsidiary of Dexcom. PR-100-653 September 2022

