StatStrip® Lactate Specifications

**Product:** StatStrip® Lactate STRIPS

**Test Method:** Enzymatic

**Test Principle:** Hexokinase/ADP

**Test Range:** 0.1 mmol/L to 24.0 mmol/L

**Test Time:** 30 seconds

**Sample Volume:** 59 µL

**Calibration:** 
- Daily with quality control solution
- Weekly with external quality control source

**Packaging:** 
- Bottle: 25 strips/pack
- Case: 48 packs/case

**Operating Ranges:**

- Temperature: 59°F–104°F (15°C–40°C)
- Humidity: 10% to 90% noncondensing

**Configurations:**
- 2, 4, or 6 strip configurations

**Additional Features:**
- Easy to use, accurate, portable, and disposable
- Compact design
- Simple operation
- Quick results

**Application:**
- Blood lactate measurement

**Critical Ranges:**
- Critical ranges flagged by color highlighting
- Auto-shut off of meter when not in use

**Battery Information:**
- 3V Li Button Battery

**Data Transfer:**
- USB connection for printout and data storage

**Dimensions:**
- 5.4 in x 3.2 in x 1.8 in

**Weight:** 0.8 lbs (360 g)

**Size:** (91 mm x 58 mm x 23 mm)

**Lactate Specifications:**
- Available tests include: lactate, glucose, ketones, and other analytes
- Accurate results in under 30 seconds

**Additional Information:**
- Lab equivalent accuracy for whole blood point-of-care testing
- Critical care analysers offer a wide selection of tests
- Seven different whole blood, critical care analysers are available

**Contact Information:**
- Nova Biomedical Corporation
- 17 – 2900 Argentia Road, Mississauga, Ontario L5N 7X9 Canada
- TEL: (905) 567-7700 (800) 263-5999 FAX: (905) 567-5496
- Internet address: www.novabiomedical.com e-mail: info@novabio.com
A True Point-of-Care Lactate Test System

Another Technology First

StatStrip

Multi-Well Measuring System

StatStrip Lactate combines classic electrochemical methods with modern nanotechnology in a technically advanced, patented,*StatStrip Lactate test system.

World Leader in Whole Blood Testing

New Technology, StatStrip® Lactate Multi-Well Measuring System

StatStrip Lactate is a handheld, two-piece point-of-care system that brings lactate testing directly to the patient’s bedside. Lactate is currently measured on blood gas analysers which creates numerous problems for bedside testing. Blood gas analysers require an arterial, arterial samples, large sample volumes (100-200 microliters) and have long analysis times (up to 2.5 minutes). In addition, blood gas analysers are complex to operate, are not portable and are expensive to purchase and operate. StatStrip Lactate testing is as easy as bedside glucose testing performed by medical and nursing staff. StatStrip point-of-care testing provides the fastest turnaround time possible (13 seconds) on the smallest whole blood sample (0.7 microliters), with full equivalence accuracy.

Accuracy Comparable to Hospital Laboratory Testing

StatStrip Lactate combines classic electrochemical methods with modern nanotechnology in a technically advanced, patented,*StatStrip Lactate test system.

Fastest Lactate Turnaround Time, 1.3 Seconds

According to the National Academy of Clinical Biochemistry, (NACC), lactate units as an “A” recommendation for critical care testing based upon evidence that rapid turnaround times (TAT) for lactate improves patient outcomes. StatStrip Lactate results are available in a fraction of the time needed by blood gas analysers.

Smallest Whole Blood Sample, 0.7 microliters

StatStrip Lactate’s extremely small sample volume enables screening and triage serial testing for lactate in small whole blood. Blood gas analysers test for lactate analysis using over 100 times more blood than StatStrip Lactate.

Easy To Use

Single-use StatStrip Lactate biosensors require no calibration or validation. The entire analysis is a simple 3-step operation: easily performed at the bedside by point-of-care personnel: 1. Touch biosensor to a drop of blood 2. Touch biosensor to a drop of blood 3. Read results in 13 seconds

Low Cost Lactate Testing

StatStrip Lactate is a very low cost device that makes lactate testing easy, practical and affordable in any-size ED, ICU, or Medical Unit. In contrast, to perform a single lactate test on a blood gas analyzer, requires- the cost of performing the full test menu of the analyzer.

Lactate and Sepsis

According to the Surviving Sepsis Guidelines state lactate must be available with rapid turnaround time to effectively treat septic patients.

NACB Strongly Endorses Rapid Lactate in the ED, OR, and ICU

According to NACB, recognizing an increase in lactate as soon as possible coupled with immediate re-attention in association with improved outcomes in any department providing care for high-acuity patients: 

• In the ED: patients with sepsis, shock, acute abdomen, AMI, shock trauma, asthma, cardiac arrest. 
• In the ICU: patients with sepsis, shock, AMI, heart failure, high-risk surgery, abdominal, medical, burn, trauma, coronary artery disease, critical illness, septic shock, and other diagnoses.

Surviving Sepsis Guidelines Call for Rapid Lactate

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StatStrip Lactate provides 15-second TAT that is critical for initiating early goal-directed therapy for septic patients.

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