

LACTATE PLUS

Blood Lactate Measuring Meter



Large Color Display

Lab-Like Accuracy

Ergonomic Non-Slip Design

Strip Ejector

Results in 13 Seconds

Small Capillary Sample

nova[®]
biomedical



Fast, Virtually Painless Lactate Testing

THE TEST

Lactate Plus measures blood lactate, a muscle performance indicator, very quickly with a small drop of blood. This provides a virtually painless, yet fast and accurate test for lactate. Lactate level is the premier indicator of aerobic conditioning for athletes and coaches, and a key predictor of performance.

FAST ANALYSIS TIME

Lactate Plus provides results in only 13 seconds. This enables athletes to quickly assess performance and adjust training strategies.

LAB-LIKE ACCURACY

Lactate Plus is made by Nova Biomedical, a global leader in hospital-based blood lactate analyzers. More hospitals worldwide use Nova analyzers for lactate measurement than any other company. The same high standards for accuracy and reliability that are required for hospital use have been incorporated into the Lactate Plus meter.

ELIMINATES CALIBRATION CODES

Most lactate test strips require a unique calibration code to be entered manually or by inserting a coding strip before testing with each new lot of test strips. Using the wrong code can change the lactate result by as much as 30%. Lactate Plus strips do not require calibration codes or coding strips, eliminating both a time-consuming step and a source of error.

LARGE COLOR DISPLAY

Lactate Plus features a large color display that's easy to read even when outdoors.

ERGONOMIC NON-SLIP DESIGN

The ergonomic non-slip case ensures a secure and comfortable grip for testing.

TEST STRIP EJECTOR

An integrated test strip ejector improves operator safety when testing multiple athletes.



Optimizes Athletic Performance

LACTATE PLUS SPECIFICATIONS



Test Measured.....	Blood Lactate
Test Time.....	13 Seconds
Test Strip Volume.....	0.7 µL
Battery Life (normal).....	600 Tests
Data Output Port.....	USB/Serial Adapter
Electrochemical Biosensor.....	Yes
Calculates Average Results.....	Yes
Data Storage: Users/Tests.....	10/130
Data Transfer Port.....	Yes
Weight.....	2.77 oz (78.5 g)
Size.....	3.9 in x 2.4 in x 0.9 in (98.0 mm x 61.0 mm x 22.9 mm)

Operating Ranges

Temperature.....	41°F to 113°F (5°C to 45°C)
Altitude.....	0 to 12,000 ft
Relative Humidity.....	10% to 90% non-condensing

FAST, SIMPLE TESTING

1 Insert Test Strip



2 Obtain Blood Drop



3 Touch Strip to Blood, Results in 13 Seconds



Methodology

Electrochemical, Lactate Biosensor

Measurement Range

0.3 to 25.0 mmol/L

Analytical Specifications for Precision

WITHIN-RUN IMPRECISION N=20

CV% ≤5

SD ≤0.2 (mmol/L)

DAY-TO-DAY IMPRECISION N=20

CV% ≤7

SD ≤0.3 (mmol/L)

Onboard Data Storage Files

1 common file for 20 tests

9 additional files for 10 tests each

2 Quality Control files for 20 tests

Two AAA Batteries

Optional Accessories

Meter to PC USB Port Data Cable, with Serial Port

Adapter, and PC Data Charting Program (Windows® 2000 and beyond)

Certifications and Compliance

Nova Biomedical is compliant with FDA Quality System Regulations, MDSAP and is certified to ISO 13485.

Tested According to: EC 61010-1:2010, EC 61010-2-101:2017

FDA Labeling: For In-vitro Diagnostic Use.

One Year Warranty

For Professional Use

The Lactate Plus System is not FDA cleared for performing lactate measurements on persons for medical intervention. It is intended for sports training and conditioning only.