Eaglenos

- Quick results: 10 s for lactate
- Microsampling sample size: 0.8 µL
- Know your limit, be your best

Blood Lactate Meter

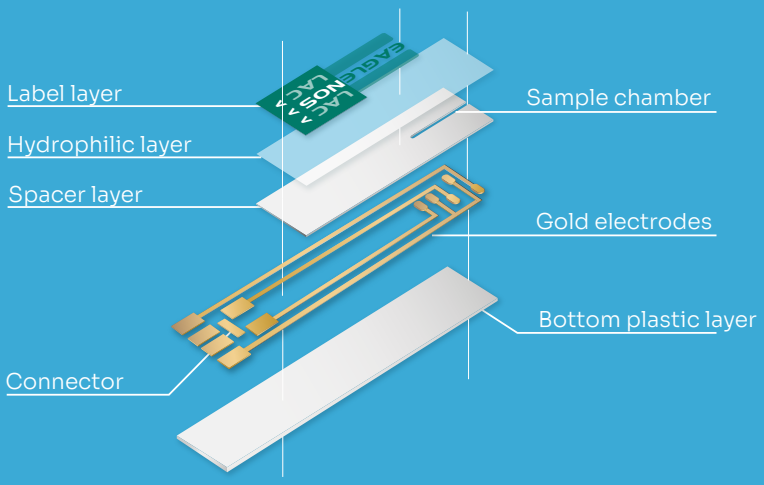
Eaglenos Sciences, Inc.

Product features

Easy operations & fast results

- Microsampling 0.8 µL
- Quick results: 10 s for lactate
- Automatic siphon technology
- Easy operations
- Easy strip ejection no cross contami-nationtechnology
- Power-on upon strip insertion

Gold electrode technology



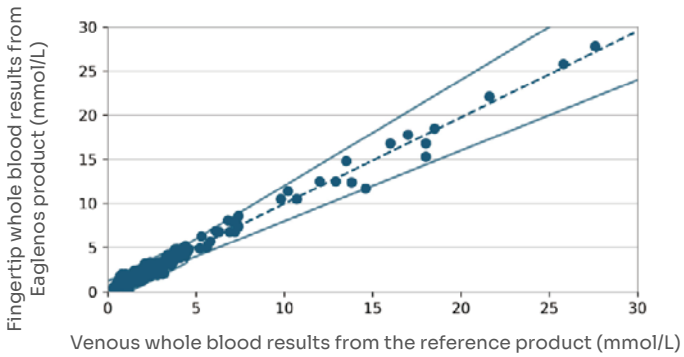
- FAD-GDH technology to avoid blood oxygen interference
- Enzymatic biosensor with high selectivity
- Enzyme chemistry design to prevent ascorbic acid interference
- Sophisticated temperature com-pensation to ensure accuracy and consistency
- Gold electrode, excellent sensitiv-ity, conductivity and stability
- Auto moisture-detection for damaged strip

Accurate measurement

- **Clinical test results of Eaglenos blood lactate test strips**

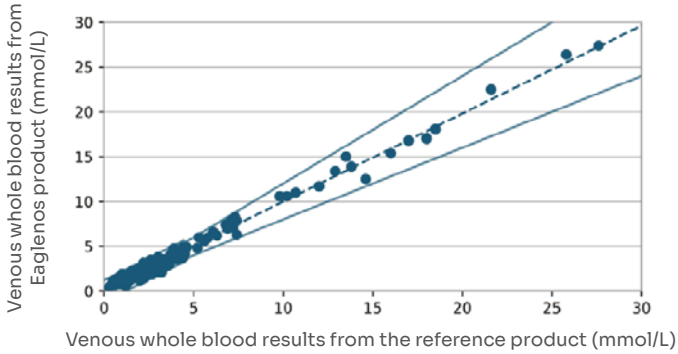
Linear regression graph between Eaglenos results in fingertip whole blood and reference product results in venous whole blood

y=0.9771x +0.2115, R2=0.9804



Linear regression graph between Eaglenos results in venous whole blood and reference product results in venous whole blood

y=0.9822x +0.169, R2=0.9877



Results: Lactate concentration <4.5 mmol/L, absolute difference: ±1.2 mmol/L
Lactate concentration ≥4.5 mmol/L, relative difference: ±20%
More than 95% of test results meet the above requirements.

User-friendly design

Smart Identification

Automatic identification of test strips without manual adjustment

Mass Memory Storage

Secure storage up to 800 sets

Bluetooth Transmission

No manual input required, easy access to data

Significance of lactate testing

Blood lactate is the final product of anaerobic glycolysis. During physical activity, as exercise intensity increases the rate of glycolysis accelerates, leading to a gradual increase in blood lactic acid production. The variation in blood lactate represents a balance between the rate of lactate production in tissues such as skeletal muscles, the rate of muscle lactate release into blood, and the rate of lactate elimination from blood. High blood lactate concentration coupled with poor performance often indicates suboptimal condition or lower aerobic metabolism capacity. Therefore, lactate testing can aid coaches in optimizing athletes' training plans, regulating anthletes' exercise intensities, and assessing athletes' training levels. Hence, lactate has the reputation of being the "training guide".

Parameters

Subject	Specification
Technology	Electrochemical biosensor technology
Measurement range	Blood lactate: 0.5 - 28.0 mmol/L
Sample type	Fresh fingertip capillary blood; venous whole blood
Sample volume	0.8 μL
Test time	10 s
Hematocrit range	30% - 60%
Memory	800 sets
Operating condition	15°C - 35°C RH: 10% - 85% (non-condensing) Atmospheric pressure: 70 - 106.6 kPa
Device warranty time	5 years
Auto strip ejection	√

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***Please refer to the instruction manual for further information.**