



SABAMEDICARE

Point-of-care diagnostics · Lebanon

PRODUCT CATALOGUE

Blood Glucose & Lactate Meter

Exclusive distributor in Lebanon

SabaMedicare SARL

For prices, demos and installation, contact us:

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Hazmieh, Baabda, Lebanon

Supplied in Lebanon by SabaMedicare SARL. Manufacturer specifications follow.



- Quick results: 5s for glucose and 10s for lactate
- Tiny sample size: 0.8 μ L of blood
- Know your limit, be your best



Blood Glucose and Lactate Meter

Eaglenos Sciences, Inc.

➤ Product features

I Easy operation & Fast results



Microsampling,
0.8μL



Quick results:
5 seconds (Glucose) &
10 seconds (Lactate)



Automatic siphon
technology



Point-of-Care testing,
easy and quick

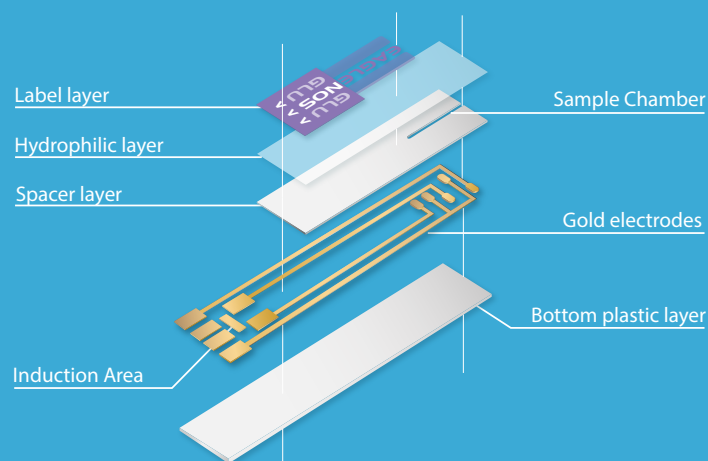


One-click strip
ejection, no cross
contamination



Power-on upon strip
insertion

I 7 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
compensation to ensure
accuracy and consistency



Gold electrode, excellent
sensitivity, conductivity
and stability



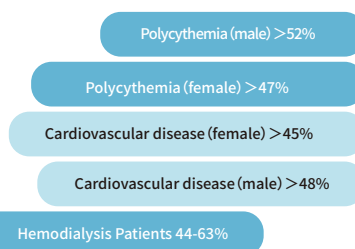
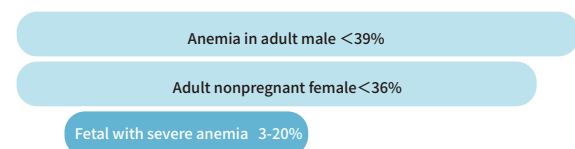
Auto moisture-detection
for damaged strip

I Ultra-wide HCT range



Blood glucose testing: HCT 10% to 65%

Wide application range for testing



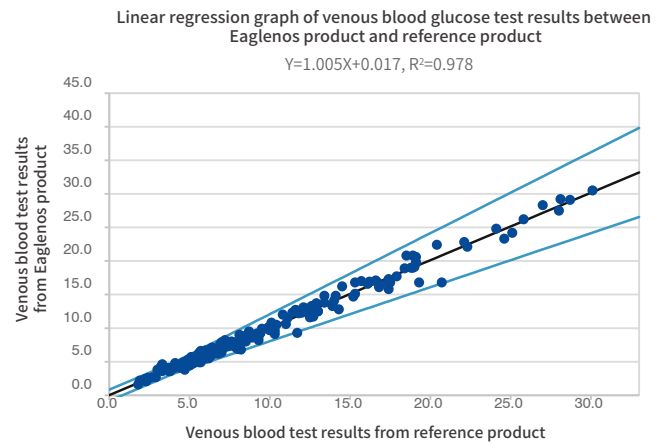
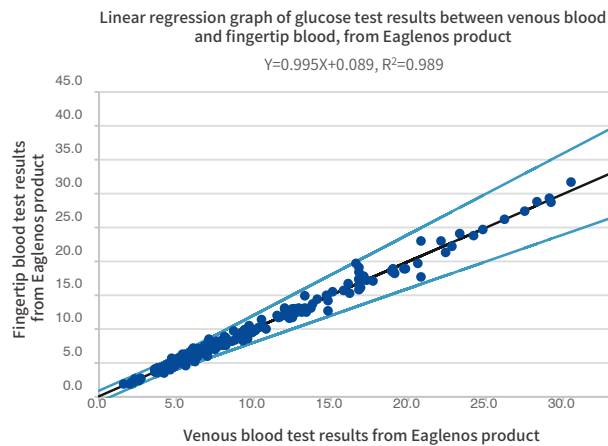
Adult males: 40%-50%
Adult women: 35%-45%
children: 34%-40%
Newborn: 45%-67%



The HCT level for different groups

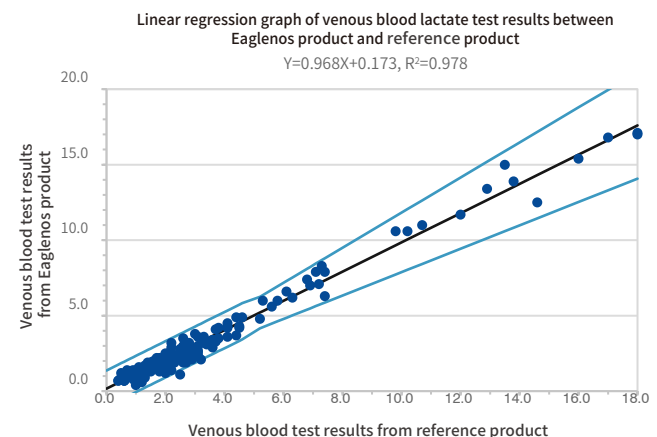
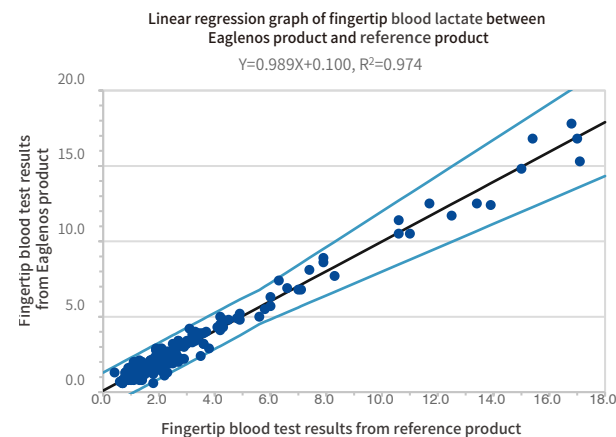
I Accurate measurement

■ The clinic test results of the Eaglenos iG100 blood glucose test strips



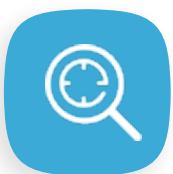
Result: At glucose concentration $<4.2\text{mmol/L}$, the absolute difference was within $\pm 0.83\text{mmol/L}$.
 At glucose concentration $\geq 4.2\text{mmol/L}$, the relative difference was within $\pm 15\%$.
 More than 96.8% of the test results meet the requirements.

■ The test results of the Eaglenos iL100 blood lactate test strips



Result: Lactate concentration $<4.5\text{mmol/L}$, Absolute difference: $\pm 1.2\text{mmol/L}$
 Lactate concentration $\geq 4.5\text{mmol/L}$, Relative difference: $\pm 15\%$
 More than 99.1% of the test results meet the above requirements

I Smart design



Auto-identification

Automatic identification of test strip type



Intelligent Coding

Using intelligent code chip with calibration information to ensure accurate results



Large memory capacity

Stores up to 800 Test results



User-friendly design

Pre-meal and Post-meal testing marks
 High/low Blood Glucose alert & high Lactate alert

➤ The clinical 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. The lactate test can therefore aid coaches in athletes' training plans, regulating exercise intensity, and assessing training levels. Hence, lactate has the reputation of the “training guide”.

In diabetes patients, long-term use of hypoglycemic drugs can result in large accumulation of lactate due to anaerobic glycolysis, potentially leading to lactic acidosis. Thus measurement of blood lactate levels can help detect and prevent diabetic lactic acidosis.

➤ Parameters

Subject	Specification
Technology	Electrochemical biosensor technology
Measurement range	Blood glucose: 0.6~33.3mmol/L ; Blood lactate: 0.5~28.0mmol/L
Sample type	Fresh fingertip capillary & venous whole blood
Sample Volume	0.8μL
Test time	Blood glucose result in 5 seconds; Blood lactate result in 10 seconds
Hematocrit range	Blood glucose test: HCT range 10% to 65% Blood lactate test: HCT range 30% to 60%
Memory	800 sets
Operating condition	Blood glucose test: 10°C~40°C; Blood lactate test: 15°C~35°C RH: 10%~85% 70kPa~106.6kPa
Device warranty time	5 years
Auto strip ejection	✓

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*For more information
please scan the code

*Please refer to the instruction manual for further information.