



SABAMEDICARE

Point-of-care diagnostics · Lebanon

PRODUCT CATALOGUE

Glucose & Beta-Ketone Meter

Exclusive distributor in Lebanon

SabaMedicare SARL

For prices, demos and installation, contact us:

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Hazmieh, Baabda, Lebanon



- Quick detection of blood glucose and β -ketone
- Help managing diabetes and ketoacidosis

Blood Glucose and β -ketone Meter

Eaglenos Sciences, Inc.

➤ Product features

I Easy operation & Fast results



Microsampling,
minimum
discomfort



0.8μL/5s for blood glucose,
1.5μL/10s for β-ketone



Automatic siphon
technology



Point-of-Care testing,
easy and quick

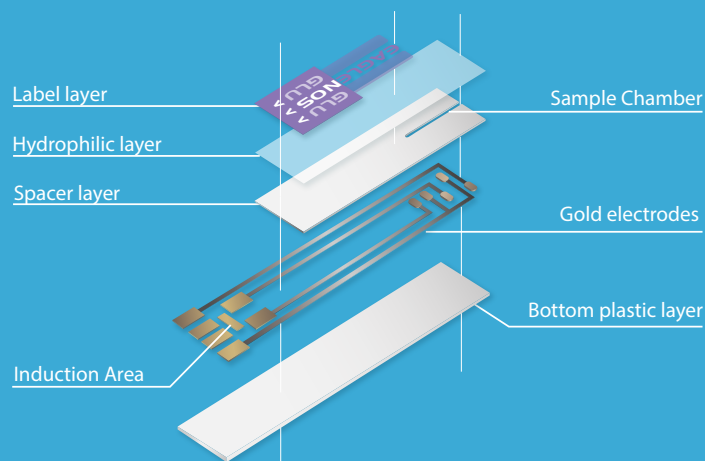


One-click strip
ejection, no cross
contamination



Automatically power-on
upon strip insertion

I 7-Gold-Electrode technology



FAD-GDH technology to avoid
blood oxygen interference



Enzymatic biosensor
with high selectivity



Anti-interference enzyme
chemistry design to prevent
ascorbic acid interference



Sophisticated temperature
compensation to ensure
accuracy and consistency



Gold electrode, excellent
sensitivity, conductivity
and stability



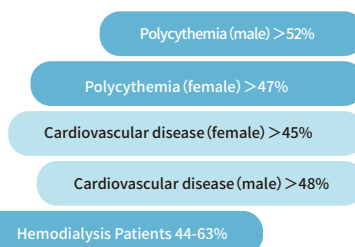
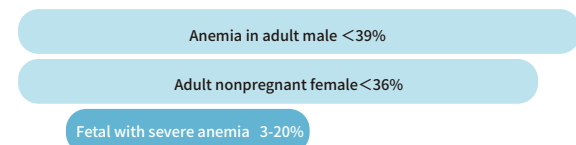
Auto moisture-detection
for damaged strip

I Ultra-wide HCT range



Blood glucose testing: HCT 10% to 65%

Wide application range for testing

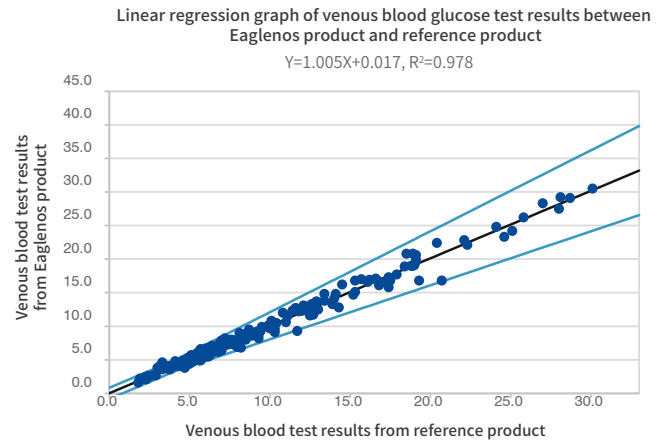
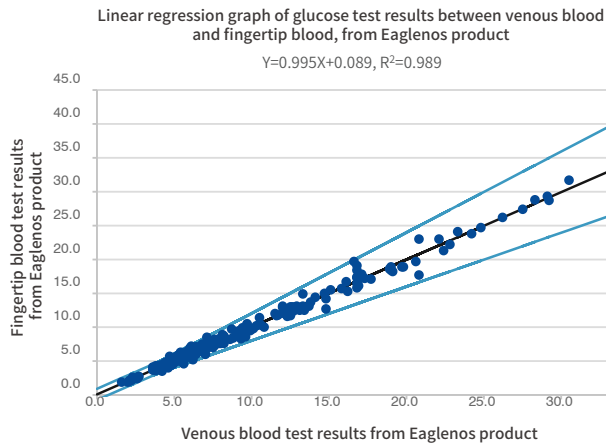


Adult males: 40%-50%
Adult women: 35%-45%
children: 34%-40%
Newborn: 45%-67%

HCT ranges of different populations

I Accurate measurement

▪ Performance analysis of Eaglenos iG100 blood glucose test strip



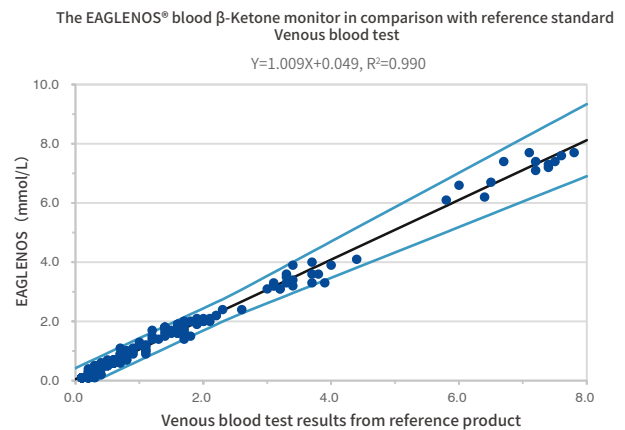
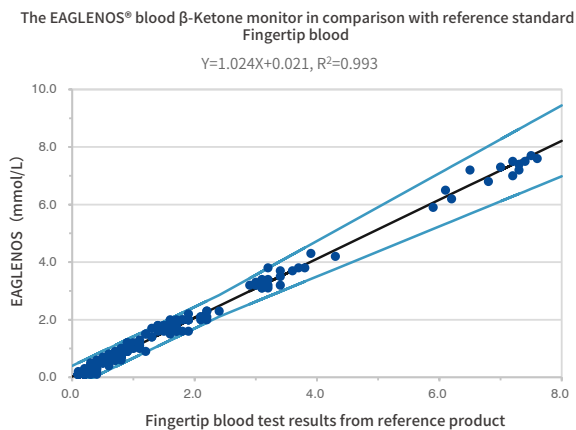
Results:

At glucose concentration $<4.2\text{mmol/L}$, the absolute deviation was within $\pm 0.83\text{mmol/L}$.

At glucose concentration $\geq 4.2\text{mmol/L}$, the relative deviation was within $\pm 15\%$.

The total compliance for all results was greater than 96.8%.

▪ The test results of the Eaglenos iK100 blood β -Ketone test strips



Results:

At β -Ketone concentration $<2.5\text{mmol/L}$, the absolute deviation was within $\pm 0.375\text{mmol/L}$.

At β -Ketone concentration $\geq 2.5\text{mmol/L}$, the relative deviation was within $\pm 15\%$.

The total compliance for all results was greater than 96.3%.

➤ The clinical significance of β -ketone testing

Diabetic ketoacidosis (DKA) is one of the acute complications of diabetes. This condition is primarily caused by a severe lack of insulin and inappropriate elevation of counter-regulatory hormones, leading to a complex disturbance in glucose, fat, and protein metabolism. DKA poses remarkable clinical hazards, and inadequate or delayed treatment can significantly increase the risk of cerebral edema, permanent neurologic damage and death.

DKA can be diagnosed by measuring blood glucose, urine glucose and monitoring blood ketones. For patients without a history of diabetes or those with atypical symptoms, the possibility of DKA can be overlooked.

Therefore, timely tests of blood glucose, blood ketone and urine ketone tests should be conducted.

➤ Parameters

Subject	Specification
Technology	Electrochemical biosensor technology
Measurement range	Blood glucose: 0.6~33.3mmol/L; Blood β -ketone: 0.1~8.0mmol/L
Sample type	Fresh fingertip capillary & venous whole blood
Minimum sample requirement	0.8 μ L
Test time	Blood glucose result in 5 seconds; Blood β -ketone result in 10 seconds
Hematocrit range	Blood glucose test: HCT range 10% to 65% Blood β -ketone test: HCT range 30% to 60%
Memory	800 sets
Operating condition	Blood glucose test: 10°C~40°C; Blood β -ketone test: 15°C~35°C RH: 10%~85% 70kPa~106.6kPa
Device warranty time	5years
Auto strip ejection	✓

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*For more information
please scan the code

*Please refer to the instruction manual for further information.