

size:L265*W180MM

bioland®
G-423ES
Blood Glucose Test Strips

The Blood Glucose Test Strips are used with the G-423E Blood Glucose Meter to quantitatively measure glucose in whole blood.

→ **TEST PRINCIPLE**

The measurement is based on amperometric technology. When the blood sample or control solution is drawn into the reaction zone, glucose in the sample reacts with glucose oxidase and produces an electrical current. Your meter measures the electronic current and converts it into your blood glucose result.

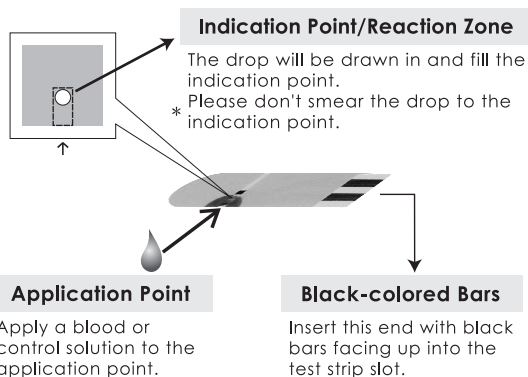
→ **CODING YOUR METER**

When you first use your Blood Glucose Monitoring System and/or open a new vial of test strips, it is necessary to code your meter. Insert the code card that is provided in this package into the test strip slot of the meter. The meter will beep and turn on automatically, and then a code number will appear on the display. Make sure this number matches the code number printed on the test strip vial.

→ **TESTING YOUR BLOOD GLUCOSE**

Please read your User's Guide for more detailed information:

1. Insert a test strip into the test strip slot of your meter.
2. Obtain a good drop of blood from your fingertip.
3. Apply the drop of blood to the application point of the test strip. Allow the blood drop to be drawn into the test strip until your meter beeps and blood fully fills in the indication point.
4. Your test result will appear on the display in 10 seconds.
5. Remove the test strip from your meter. Discard the used test strip and lancet in a puncture-proof container.



→ **STORAGE AND HANDLING**

- ▶ Store between 39 and 104°F (4~40°C)
- ▶ Keep away from direct heat and sunlight.
- ▶ Store test strips in their original vial with the cap tightly closed. When taking a test strip out of the vial, replace the vial cap immediately and close it tightly.
- ▶ When you first open the test strip vial, write the date on the vial label. The test strips should be used within 90 days after first opening.
- ▶ Do not use the test strips beyond the expiry date.
- ▶ Do not bend, cut, or alter the test strips in any way.
- ▶ You can handle any area of the test strip to insert it into the test strip slot of the meter.

→ **CAUTIONS**

- ▶ For testing outside the body (*in vitro* diagnostic use) only.
- ▶ The Blood Glucose Test Strips are for single use only. Do not reuse.
- ▶ To obtain accurate results, only use the Blood Glucose Test Strips with the G-423E Blood Glucose Meters
- ▶ Use the test strip within three minutes after taking it out of the vial or the test strip may get damp, and your result may be wrong.
- ▶ Do not use test strips that are wet, scratched, or damaged in any way.
- ▶ Do not smear the blood drop onto the indication point above the reaction zone of test strips.
- ▶ The self-test results are for reference only. Do not change your diabetes control program based on the results without advice of your doctor.

→ **LIMITATIONS**

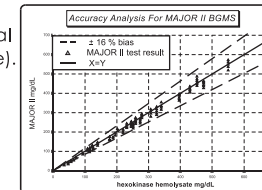
- ▶ Use only fresh capillary blood. Do not use venous or arterial blood, plasma, or serum.
- ▶ Hematocrit: Hematocrit levels between 30% and 55% have no significant effect on test results. However, extremes in hematocrit may cause inaccurate test results.
- ▶ Neonates: Do not use the Blood Glucose Test Strips to test neonates. The performance of the Blood Glucose Monitoring System has not been validated with neonatal blood.
- ▶ Abnormal blood samples (i.e., high ascorbic acid, high uric acid, etc.) may affect the test results. Blood glucose readings from these cases should be interpreted with caution.
- ▶ Therapeutic levels of L-dopa or dopamine may result in inaccurate glucose readings with the system.
- ▶ Excessive water loss or severe dehydration may cause inaccurate results.

→ **PERFORMANCE CHARACTERISTICS**

Accuracy :

3 different lots of the Blood Glucose Test Strips were tested to assess the accuracy of the Blood Glucose Monitoring System.

The sample concentrations were between 35 and 665 mg/dL (1.9~36.9 mmol/L). Test results are compared with the biochemical analyzer (hexokinase hemolysate). All test results are within ±16% of the reference measurements.



Precision:

3 different lots of the Blood Glucose Test Strips were tested with 2 different levels of glucose control solutions to assess the precision and the repeatability of the Blood Glucose Monitoring System.

	Level 1	Level 2
No. of Readings	59	60
Mean (mg/dL)	110	217
S.D. (mg/dL)	3.5	7.2
C.V. (%)	3.1	3.3

→ **REAGENT COMPOSITION**

Each cm² of the test strip contains the following ingredients:

Glucose Oxidase (<i>A. niger</i>)	> 50 IU
Non-reactive ingredients	> 2 mg

→ **CONTENTS**

Each pack contains test strips and 1 code card.

→ **ADDITIONAL INFORMATION**

Your User's Guide contains more information. If you have any questions and/or need assistance, please contact your local authorized distributor of the Blood Glucose Monitoring System.

● **THE SYMBOLS**

- ⚠ Attention! Read instructions before use.
- CODE Your test strips' code number
- LOT Your test strips' lot number
- 🕒 Expiry date
- IVD For *in vitro* diagnostic use
- ⊗ Do not reuse.

CE 0123 This product fulfills the requirements of Directive 98/79/EC on *in vitro* diagnostic medical devices.