Stondon s003

Stondon Blood Glucose Monitor Kit User Manual

Model: s003

1. Product Overview

The Stondon Blood Glucose Monitor Kit is designed to provide accurate and convenient blood sugar monitoring for individuals with diabetes. This comprehensive kit includes all necessary components for effective self-testing.

1.1 What's Included

- Blood Glucose Monitor
- 100 Safe-Strips (50PCS x 2 Vials)
- 100 Lancets (50PCS x 2 Vials)
- Pain-free Lancing Pen
- Carrying Case
- User Manual



Figure 1.1: Complete Stondon Blood Glucose Monitor Kit

1.2 Key Features

- **Accurate Monitoring:** Uses mg/dL and mmol/L as display units for precise results.
- **Quick and Easy to Use:** No programming needed; meter automatically recognizes batch codes. Features single-touch strip ejection for hygienic disposal.
- **Fast Results:** Requires only 0.7 microliters of blood and provides results in 5 seconds.
- **Minimal Discomfort:** Pain-free lancing pen with 5 depth levels.
- **Data Storage:** Capable of saving up to 500 readings and provides a 14-day average for easy tracking.
- **Advanced Test Strips:** Designed with anti-interference technology for stable and accurate readings.



Figure 1.2: Fast and Accurate Readings

2. Safety Information

Please read all instructions carefully before using the Stondon Blood Glucose Monitor Kit. Adhering to these guidelines ensures safe and accurate testing.

- **Intended Use:** This device is intended for self-testing by people with diabetes mellitus to monitor their blood glucose levels.
- **Medical Advice:** Always consult your healthcare professional for proper interpretation of results and for any medical concerns. Do not make any medical decisions without consulting a doctor.
- **Keep Out of Reach:** Keep all components of the kit, especially lancets and test strips, out of reach of children.
- **Expiration Dates:** Do not use expired test strips or lancets. Check the expiration date on the vial before use.
- **Storage:** Store test strips in their original sealed container, away from heat, moisture, and humidity.
- **Single Use:** Lancets and test strips are for single use only. Do not reuse.

3. Setup

3.1 Installing Batteries

The Stondon Blood Glucose Monitor requires 1 Lithium Polymer battery (included). Open the battery compartment cover on the back of the meter and insert the battery, ensuring correct polarity. Close the cover securely.

3.2 Preparing the Lancing Device

1. Unscrew the cap of the lancing device.
2. Insert a new, sterile lancet firmly into the lancet holder.
3. Twist off the protective cap of the lancet.
4. Replace the lancing device cap.
5. Adjust the depth setting on the lancing device by rotating the top part. Choose a depth appropriate for your skin type (1 for shallow, 5 for deep).

6. Pull back the cocking barrel until it clicks, indicating it is ready to use.



Figure 3.1: Lancing Device Preparation

4. Operating Instructions

4.1 How to Perform a Blood Glucose Test

1. **Prepare:** Wash and dry your hands thoroughly with soap and water.
2. **Insert Test Strip:** Remove one test strip from the vial and immediately close the vial cap tightly. Insert the test strip into the meter's test strip port. The meter will turn on automatically.
3. **Obtain Blood Sample:** Prick the side of your fingertip with the prepared lancing device. Gently massage the finger from the base towards the tip to form a round drop of blood.
4. **Apply Blood:** Touch the absorbent hole of the test strip to the blood drop. The blood will be automatically drawn into the strip. Do not smear the blood.

5. **Read Result:** The meter will display your blood glucose result in 5 seconds.
6. **Eject Strip & Lancet:** Use the single-touch ejection feature on the meter to hygienically remove the used test strip. Dispose of the used lancet safely.

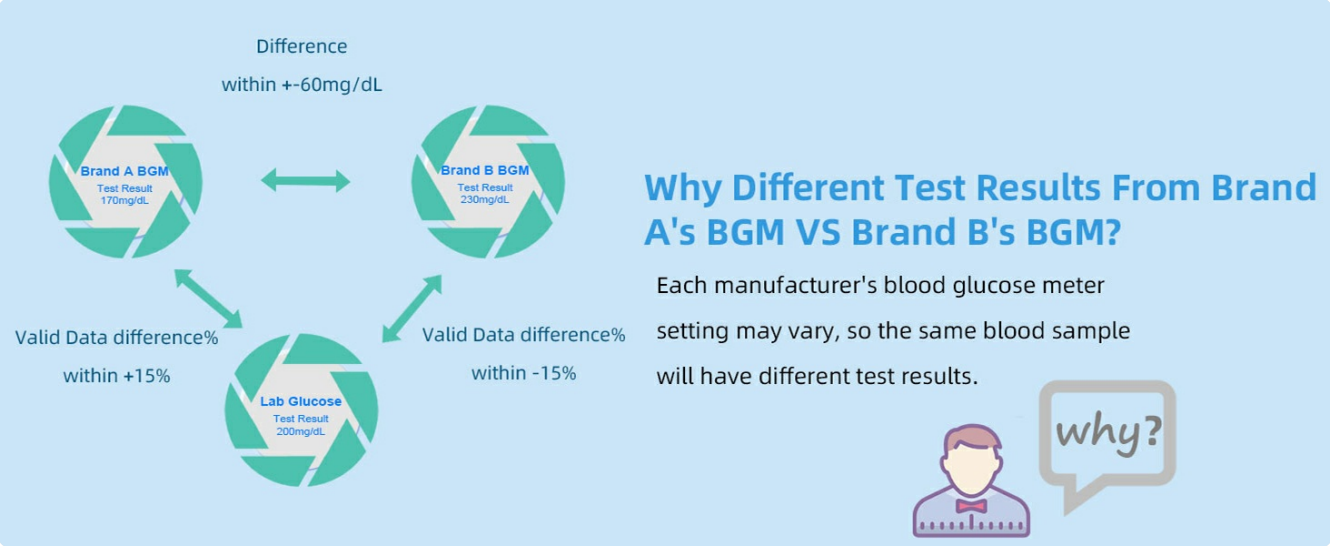


Figure 4.1: 8 Simple Steps for Blood Glucose Testing

4.2 Understanding Your Results

The meter stores up to 500 test results with date and time, allowing you to track your glucose trends. You can also view a 14-day average of your readings.



Figure 4.2: 500 Memory Values Automatically Stored

The meter supports pre-meal and post-meal tagging to help categorize your readings. This can be useful for understanding how different meals affect your blood sugar.



Figure 4.3: Pre-meal and Post-meal Tagging Symbols

4.3 Blood Glucose Level Card

Refer to the table below for general blood glucose level guidelines. Always consult your healthcare provider for personalized target ranges.

		LOW	Normal	Borderline	High	Dangerous
FASTING (at least 8 hours)	mmol/L	<3.9	3.9-5.6	-	>5.6	<2.2/>16.7
	mg/dL	<70	70-100	-	>100	<40/>300
1 HOUR POSTPRANDIAL	mmol/L	<7	<10	7.1-10	>10	>13.9
	mg/dL	<126	<180	128-180	>180	>250
2 HOUR POSTPRANDIAL	mmol/L	<3.9	3.9-7.7	7.8-11.1	>11	>16.7
	mg/dL	<70	<140	140-198	>198	>300
3 HOUR POSTPRANDIAL	mmol/L	<3.9	3.9-5.6	-	>7.8	>11.1
	mg/dL	<70	70-100	-	>140	>200

5. Maintenance

5.1 Cleaning the Meter

To ensure the longevity and proper functioning of your meter, keep it clean. Wipe the exterior of the meter with a soft, damp cloth. Do not immerse the meter in water or use harsh chemical cleaners, solvents, or abrasive materials, as these can damage the device.

5.2 Storage

Store the meter, test strips, and lancets in their original carrying case when not in use. Keep them in a cool, dry place, away from direct sunlight, extreme temperatures, and humidity. Ensure the test strip vial is tightly closed after each use.

6. Troubleshooting

6.1 Error Messages

If an error message appears on the display, refer to the table below for common issues and their solutions. If the problem persists or an unlisted error occurs, contact customer support.

MESSAGE	WHAT IT MEANS	ACTIONS
E-b	Battery power is low	Replace the battery
E-U	A used test strip is inserted	Use a new test strip
E-F	Indicates that you may remove prematurely the strip after applying blood to the absorbent hole	Try again with a new strip
E-E	Problem with the meter	Re-test with a new test strip. If the problem is still unsolved.
E-t	Environmental temperature is lower than 50°F -104°F	Please test at an environmental temperature within 50°F - 104°F



Figure 6.1: System Troubleshooting Guide

6.2 Tips for Accurate Test Results

- **Before Use:** Check test strips for contamination, dampness, or expiration. Clean and dry your hands thoroughly to avoid contaminating blood.
- **During Use:** Before collecting a blood sample, massage your fingers for 10 seconds and lower your forearm for 5 seconds to ensure sufficient blood flow. Avoid touching the contact strips and absorption hole of the test strip except for the blood collection site.
- **Blood Sample:** Ensure you collect enough blood each time (0.7µl). If the first drop of blood is insufficient or contaminated (e.g., with alcohol), wipe it off and use the second drop.
- **Test Strip Storage:** Always store test strips in their sealed container, keeping them away from heat, moisture, and humidity.
- **Testing Site:** It is best to use a fingertip blood sample. Blood from alternate sites isn't as accurate as finger

samples.

- **Consecutive Tests:** If 2 consecutive tests are performed within 5-10 seconds using the same blood, the reading may vary due to oxidation. Never reuse a test strip.

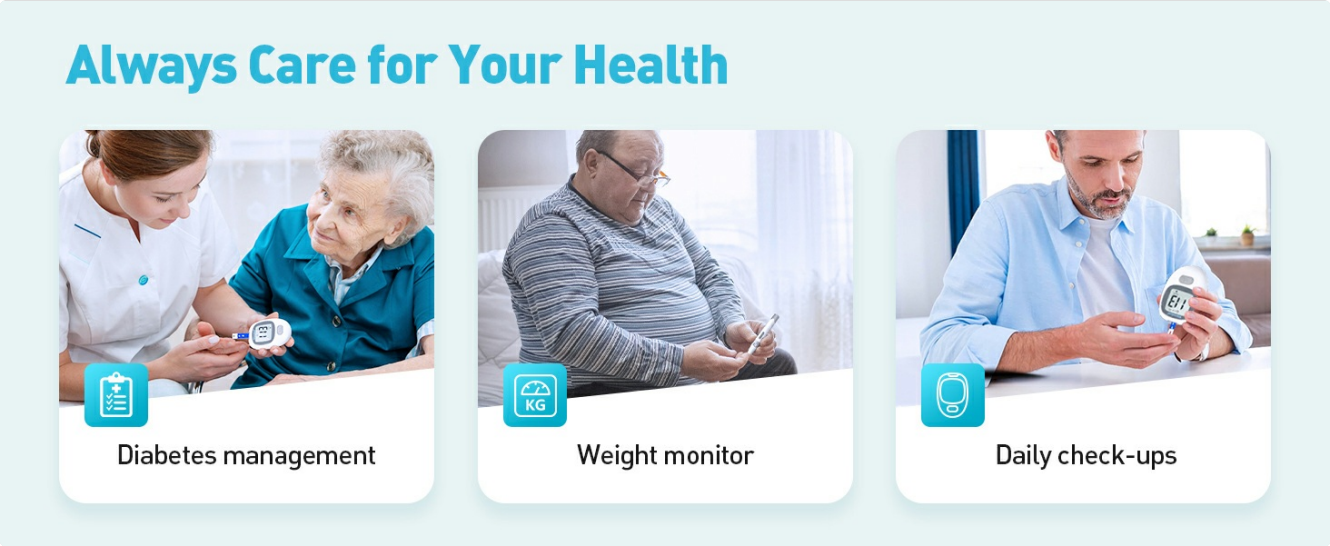


Figure 6.2: How To Get Accurate Test Results

6.3 Differences in Test Results

- **Home Test vs. Hospital Test:** Whole blood glucose test results (home test) are approximately 12-15% lower than lab plasma test results (hospital test). This difference is in accordance with ISO 15197.
- **Brand Differences:** Each manufacturer's blood glucose meter setting may vary, so the same blood sample might yield different test results across different brands.

7. Specifications

Specification	Detail
Model Number	s003
Brand	Stondon
Package Dimensions	6.65 x 4.13 x 2.13 inches
Item Weight	8.15 ounces
Batteries	1 Lithium Polymer batteries required (included)
Included Components	Blood Glucose Monitor, 100 Test Strips, 100 Lancets, Lancing Pen, Case, User Manual
Manufacturer	Stondon
Date First Available	July 29, 2024

8. Warranty and Customer Support

For warranty information, technical support, or any questions regarding your Stondon Blood Glucose Monitor Kit, please refer to the contact information provided on the product packaging or visit the official Stondon website. Keep your purchase receipt as proof of purchase for warranty claims.

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