Stondon G-430

Stondon G-430 Blood Glucose Monitor Kit

USER MANUAL

Welcome

Thank you for choosing the Stondon G-430 Blood Glucose Monitor Kit. This manual provides essential information for the safe and effective use of your new blood glucose monitoring system. Please read it thoroughly before first use and keep it for future reference. This kit is designed for self-testing blood glucose levels at home or by healthcare professionals.

Important Safety Information

- This device is for *in vitro* diagnostic use only. Do not use for diagnosis of diabetes or screening of newborns.
- Consult your healthcare professional before making any medical decisions based on your test results.
- Keep the device and all components out of reach of children.
- Use only Stondon G-430 test strips and lancets with this meter. Using other brands may lead to inaccurate results.
- Dispose of used lancets and test strips properly in a sharps container to prevent injury and infection.
- Avoid extreme temperatures and humidity. Store the kit in a cool, dry place.

Package Contents

Your Stondon G-430 Blood Glucose Monitor Kit includes the following items:

- Stondon G-430 Blood Glucose Meter
- 50 Blood Glucose Test Strips
- 50 Sterile Lancets
- Lancing Device
- Carrying Case

- User Manual

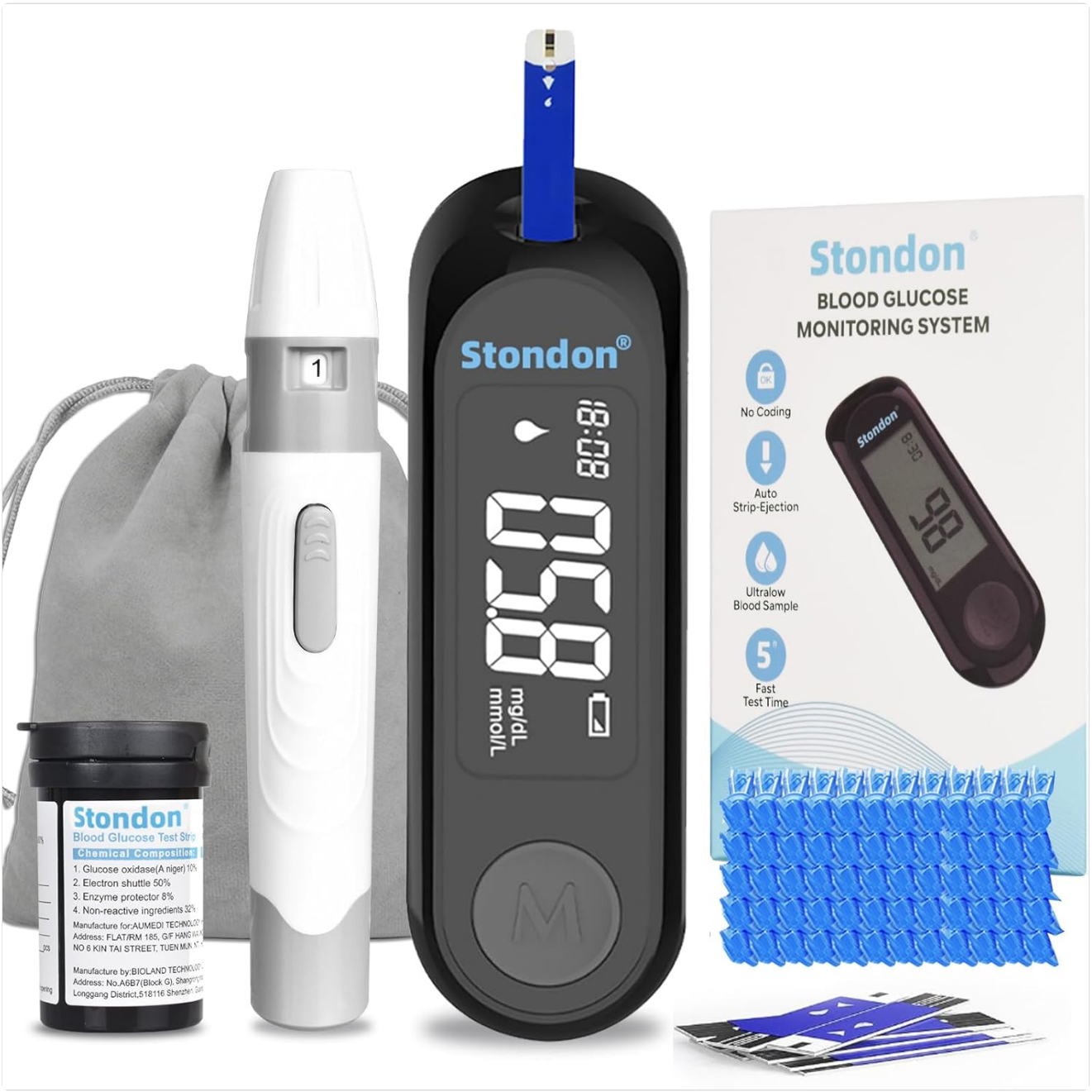

Image: The complete Stondon G-430 Blood Glucose Monitor Kit, showing the meter, test strips, lancets, lancing device, and carrying case.

Initial Setup

1. Installing Batteries

The Stondon G-430 meter uses alkaline batteries. Open the battery compartment cover on the back of the meter and insert the batteries, ensuring correct polarity. Close the cover securely.

2. Preparing the Lancing Device

1. Unscrew the lancing device cap.
2. Insert a new sterile lancet firmly into the lancet holder.
3. Twist off the protective cap from the lancet.

4. Replace the lancing device cap.
5. Adjust the penetration depth by rotating the top of the lancing device. Start with a lower setting (e.g., 1 or 2) and increase if needed for sufficient blood sample.
6. Pull back the cocking barrel until it clicks, indicating it is ready to use.

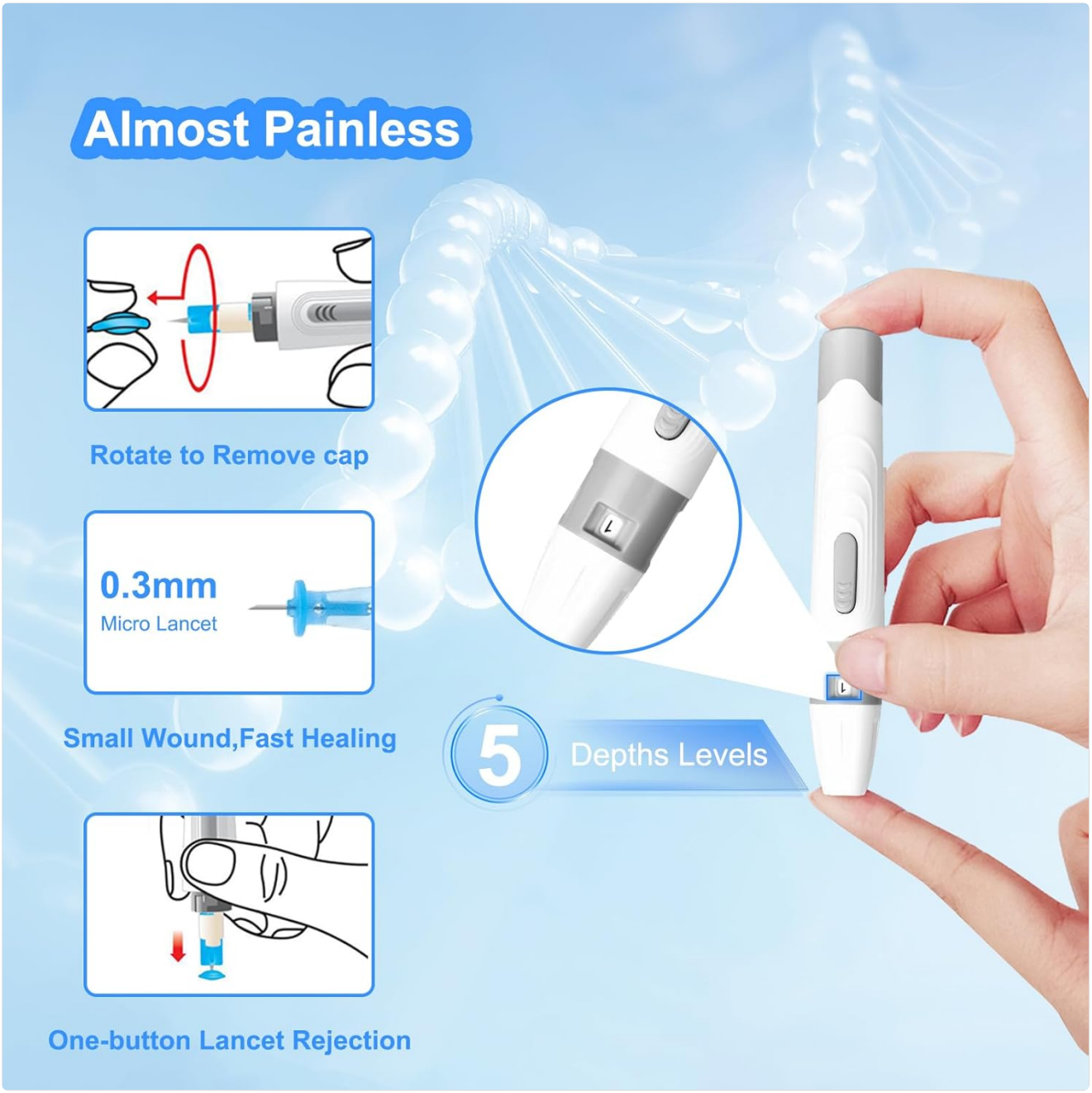

Image: Visual guide demonstrating how to prepare the lancing device, including removing the cap, inserting a lancet, and adjusting the depth setting.

3. Setting Time and Unit (mg/dL or mmol/L)

With the meter turned off, press and hold the 'M' button to enter the setting mode. You can adjust the time, date, and measurement unit (mg/dL or mmol/L) according to your preference or your healthcare professional's recommendation. Press the 'M' button briefly to cycle through options and long-press to confirm and move to the next setting.

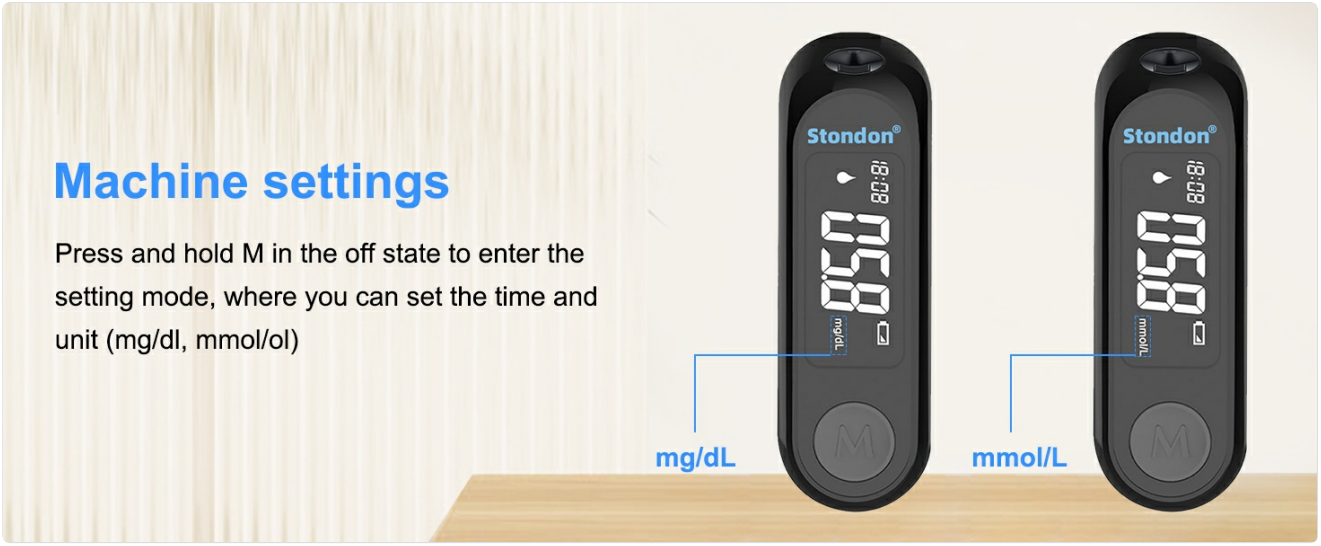

Image: The blood glucose meter displaying measurement units in both mg/dL and mmol/L, illustrating the setting options.

Performing a Blood Glucose Test

1. Hand Preparation

Wash your hands thoroughly with warm, soapy water and dry them completely before testing. This helps prevent contamination and ensures accurate results.

2. Inserting a Test Strip

Remove a test strip from its vial and immediately close the vial cap tightly. Insert the test strip into the meter's test strip port. The meter will automatically turn on and display a blood drop symbol, indicating it is ready for a blood sample. The meter features auto-coding, so no manual coding is required.

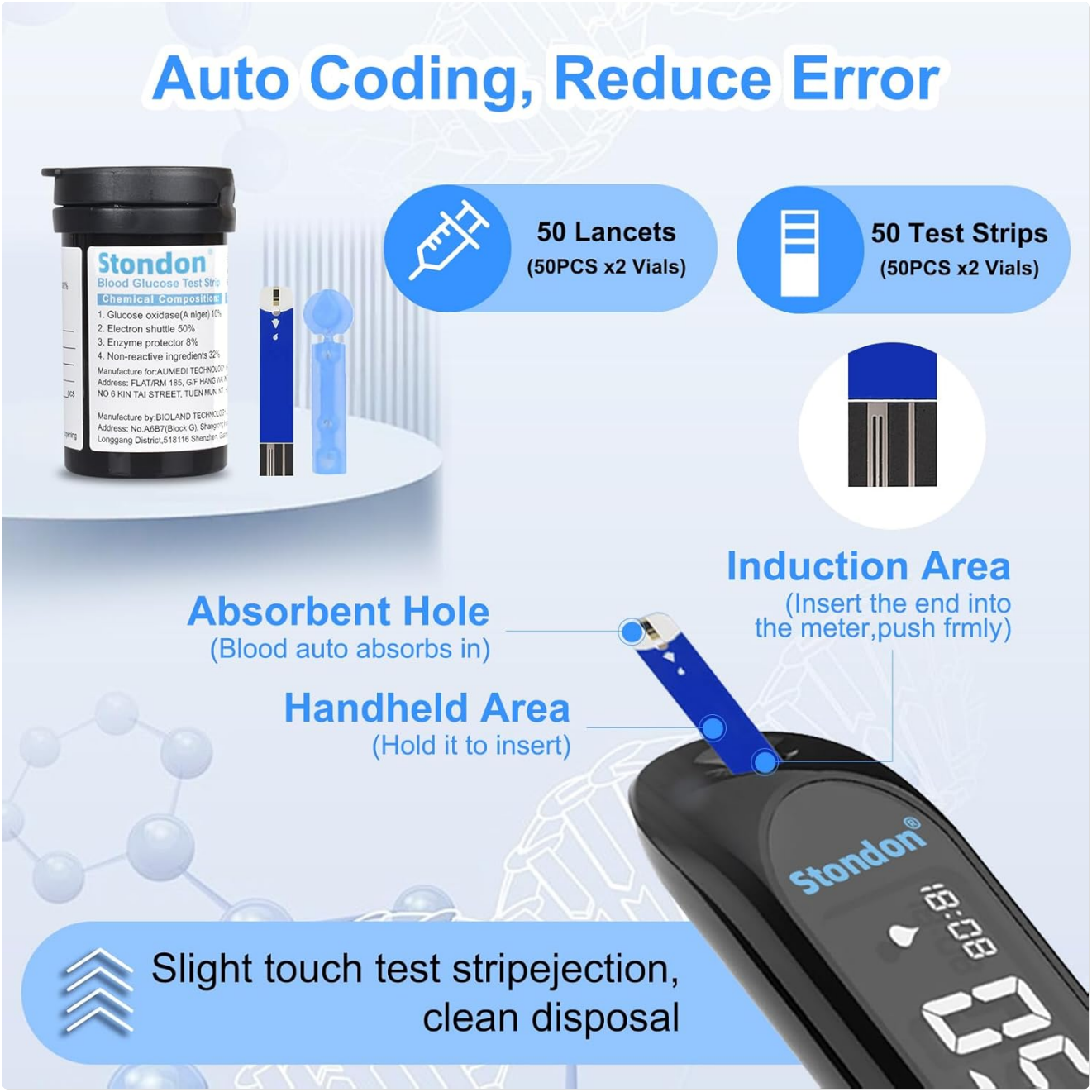

Image: A diagram illustrating the test strip, its absorbent hole, and the induction area for insertion into the meter, highlighting the auto-coding feature.

3. Obtaining a Blood Sample

Press the prepared lancing device firmly against the side of your fingertip and press the release button. A small drop of blood will form. For best results, massage your finger for 10 seconds and lower your arm for 5 seconds before lancing to ensure sufficient blood flow.

4. Applying Blood to the Test Strip

Touch the tip of the test strip to the blood drop. The blood will be automatically drawn into the absorbent hole of the strip. Do not smear the blood or apply it to the top of the strip. The meter will beep and begin counting down once enough blood has been absorbed.

5. Reading Results

Your blood glucose result will appear on the meter's display in approximately 5 seconds. The result will be shown in your selected unit (mg/dL or mmol/L).

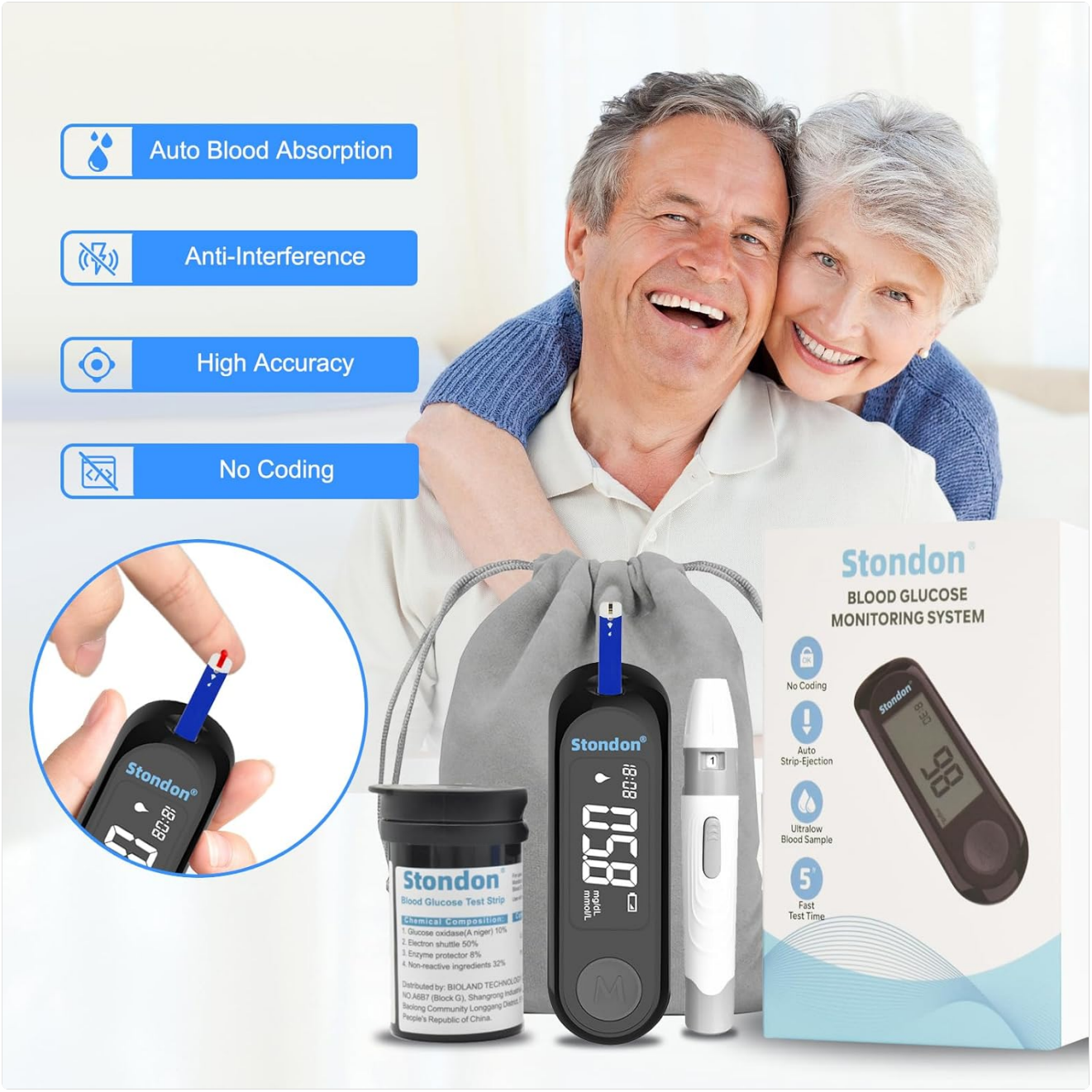

Image: The Stondon G-430 meter displaying a blood glucose reading, indicating the fast 5-second test time and auto-coding feature.

6. Ejecting Test Strip and Lancet

After the test, use the single-touch strip ejection feature to hygienically remove the used test strip. For the lancing device, use the one-button lancet ejection to safely remove the used lancet. Dispose of both in a suitable sharps container.

7. Memory Function

The meter automatically stores up to 500 test results with date and time. To review past results, short press the 'M' button from the off state. The device will display the most recent test result for 1 second, then short press 'M' again to view the next most recent result. The meter also provides a 14-day average of your readings.

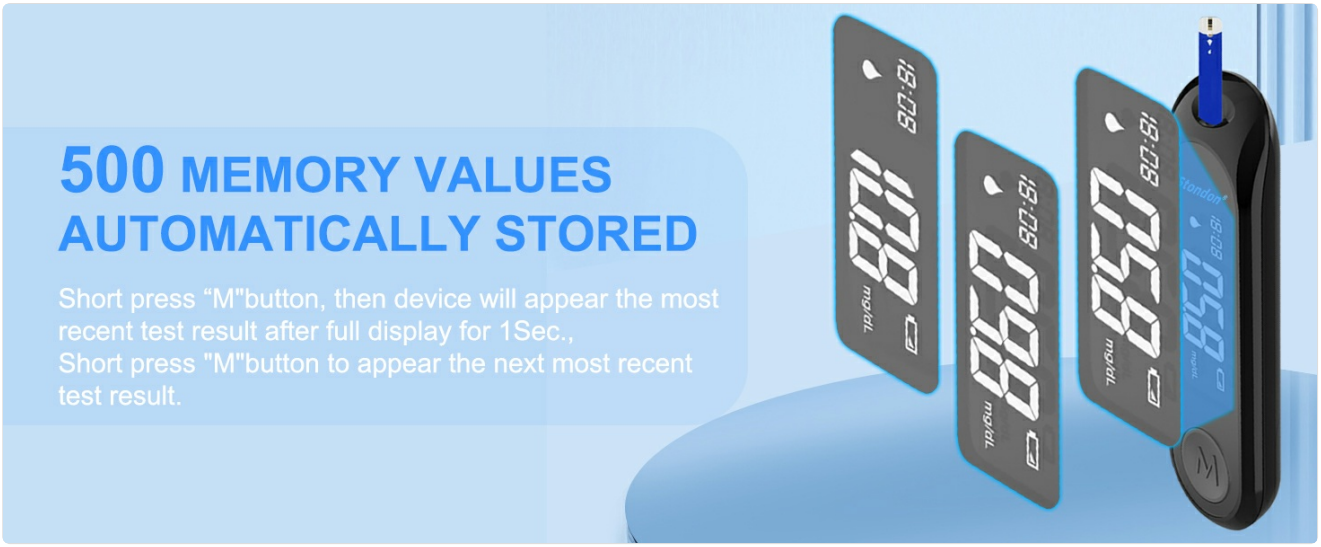

Image: A visual representation of the meter's memory function, showing how 500 test results are automatically stored and can be reviewed.

Care and Maintenance

Cleaning the Meter

Wipe the meter's exterior with a soft, damp cloth. Do not use harsh cleaning agents or immerse the meter in water. Ensure no liquid enters the test strip port.

Storing Test Strips and Lancets

- Store test strips in their original vial with the cap tightly closed. Do not transfer strips to another container.
- Keep test strips and lancets in a cool, dry place, away from direct sunlight and heat.
- Check the expiry date on the test strip vial. Do not use expired test strips.

Disposal

Dispose of used test strips and lancets in an approved sharps container. Consult your local regulations for proper disposal of medical waste.

Troubleshooting Guide

If you encounter issues with your Stondon G-430 Blood Glucose Monitor Kit, please refer to the following common problems and solutions:

- **Meter Not Turning On:** Check if batteries are correctly installed and have sufficient charge. Replace batteries if necessary.
- **Inaccurate Readings:** Ensure hands are clean and dry. Check test strip expiry date. Make sure the blood sample is sufficient and applied correctly. Avoid repeated measurements from the same blood drop as oxidation can affect accuracy.
- **Error Codes:** If an error code appears, refer to the specific error code section in the full user manual (if available) or contact customer support.
- **No Blood Drop Symbol:** Ensure the test strip is fully inserted into the meter.

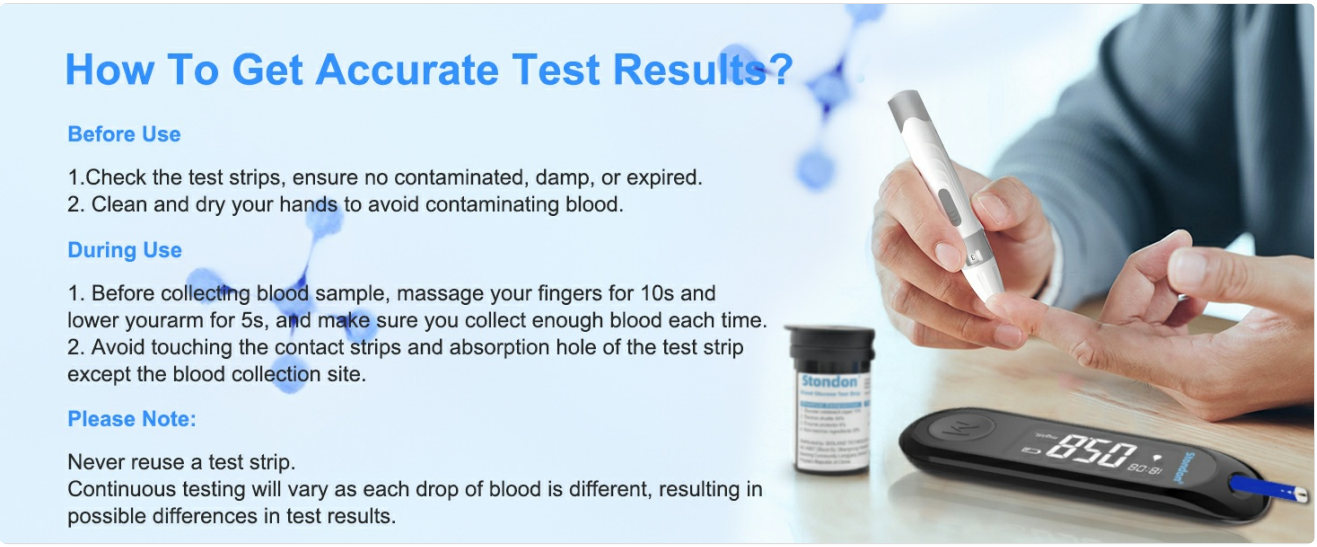

Image: A visual guide providing essential tips for achieving accurate blood glucose test results, including hand hygiene and proper blood sample collection.

Product Specifications

Brand	Stondon
Model	G-430
Package Dimensions	4.76 x 3.54 x 2.05 inches
Weight	4.16 ounces
Battery Cell Composition	Alkaline
Included Components	Blood Glucose Monitor, Test Strips (50), Lancets (50), Lancing Device, Case, User Manual

Important Notes on Test Results

It is important to understand that there can be differences between home-test results and laboratory (hospital) test results. Home tests typically measure whole blood glucose, while laboratory tests often measure plasma glucose. Whole blood glucose results are approximately 12-15% lower than lab plasma test results. For example, if your glucometer result (whole blood) is 200 mg/dL, your lab result (plasma) might be 230 mg/dL. This difference is in accordance with ISO 15197 standards.

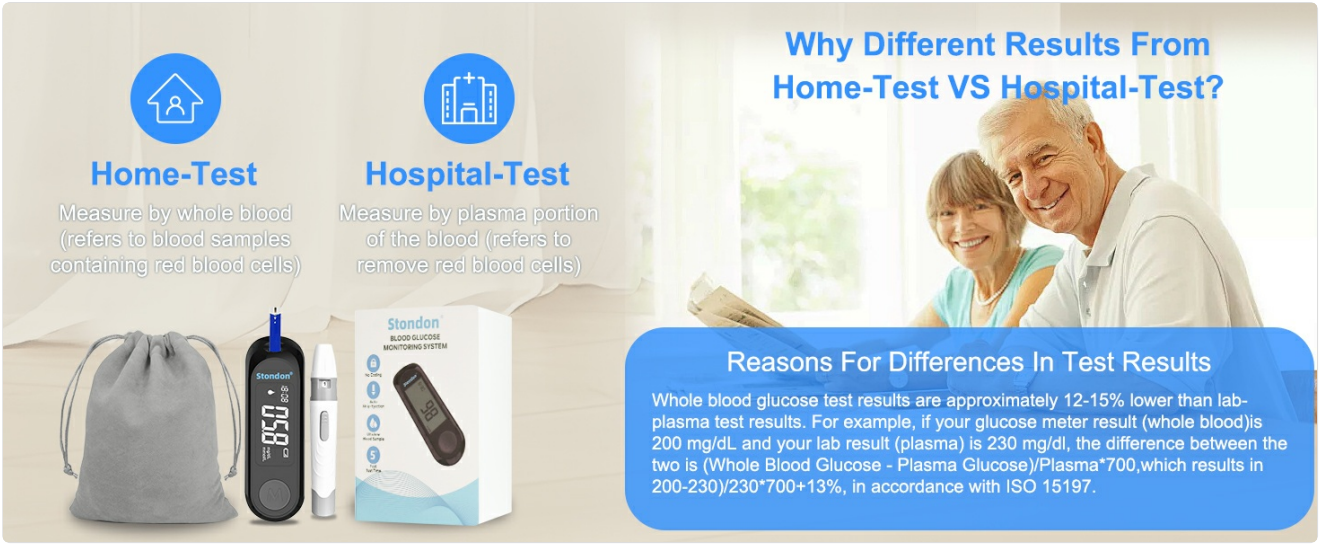

Image: An infographic explaining the distinction between home blood glucose tests (whole blood) and hospital tests (plasma), and why their results may differ.

For further assistance, please contact Stondon customer support.