

Statstrip Glucose/Ketone Patient Testing

Sample Collection

The preferred sample type is capillary finger prick or heel prick (neonates). Wipe away the first drop of blood and use the second drop for testing. Samples must be tested immediately.

Patient Testing

1. Remove the meter from the docking station and ensure QC has been performed enabling patient testing.
2. Take the meter and consumables to the patient bedside and positively ID the patient according to hospital policy.
3. Perform finger prick hand hygiene. While the patient finger is drying, prepare your meter for testing.
4. Login to the meter by scanning your unique Operator ID barcode, or enter it manually.
5. Select Accept to proceed with patient testing.
6. Scan the Strip lot barcode on the pottle
7. Scan the patient ID – this is the encounter number barcode on the patient wristband.
8. Insert the test strip into the test strip port ensuring the solid gold end of the strip enters the meter.
9. Perform the finger prick, wipe away the first drop of blood, touch the second drop of blood to the end of the test strip.
10. Blood will be drawn into the strip by capillary action and the test will begin. A countdown timer will be shown on the screen.
11. The result will display on the screen. Press 'Accept' to accept the result or 'Reject' to reject the result. All data is stored on the meter but only accepted results will transmit data to the patient's electronic medical records.
12. Dock the meter for results transfer.



Interpretation of results

Results are displayed as a numerical value in mmol/L.

Results which fall within the set normal range are shaded blue. Results that fall outside of the designated normal range are shaded in red.

Reference Range

The normal range for Glucose is 4.0-8.0 mmol/L

The normal range for Ketones is <0.6 mmol/L

A result outside of the reference range will be designated with a single arrow ↓ or ↑

Critical Limits

A result outside of the critical range will be designated with double arrows ↓↓ or ↑↑

The critical range for POCT Glucose is <3.9 mmol/L and >15 mmol/L

The critical range for Ketones is >3.0 mmol/L

Glucose results outside the critical range should be confirmed by repeating the test and/or sending a sample to the laboratory. There is no laboratory test available for confirmatory testing of Ketones.

Reportable Range

A result outside of the reportable range will be designated with LO ↓↓↓ or HI ↑↑↑ with no numerical result reported.

The Glucose reportable range for the meters is 0.5 – 33.3 mmol/L

The Ketone reportable range for the meters is 0.1-7.0 mmol/L

Glucose results outside the reportable range should be confirmed by sending a sample to the laboratory. There is no laboratory test available for confirmatory testing of Ketones.

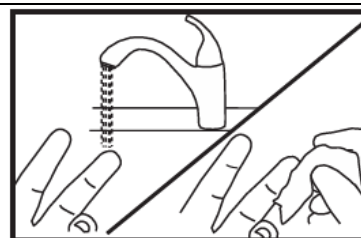
Recording Results

The meters are interfaced and results will transmit automatically into the patient's electronic medical records when docked.

Statstrip Patient Testing Quick Guide

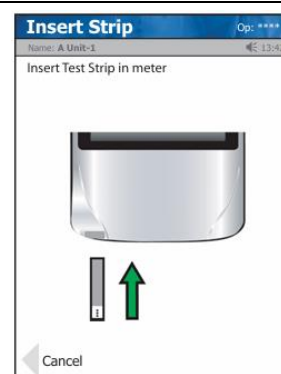
1. Remove meter from dock and ensure QC has been performed

2. ID patient and prepare site for finger prick



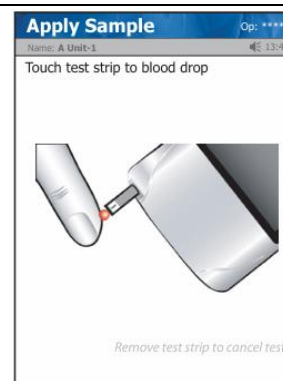
3. Prepare meter for patient testing

- a. Scan operator ID barcode
- b. Scan strip barcode
- c. Scan patient ID barcode
- d. Insert strip



4. Perform finger prick

- a. Wipe away first drop of blood
- b. Test second drop of blood



5. Accept or Reject patient result



6. Dock meter for results transfer