



## Nova StatStrip Glucometer Quick Reference Guides

Identifier:	CWPC GLU 0220	Version #:	2.1
Folder:	CW POCT	Type:	Procedure (3yr)
Subfolder:	WB GLUCOSE	Effective on:	2021-06-15

## Nova StatStrip® Glucometer Quick Reference Guides

### Purpose:

This procedure provides one-page quick reference guides for several basic operations involving the Nova StatStrip® Glucose Hospital Meter System. This is intended to help users get access to easy-to-follow job aides and process charts.

While the information in these quick reference guides are accurate, the materials are presented in a generalized and outlined format. Thus, staff are encouraged to always refer to the detailed and complete versions of these procedures.

### Safety Precautions:

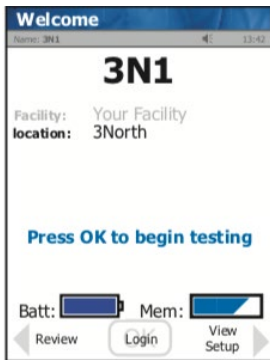
1. Universal Safety Precautions should be adhered to when handling or using the StatStrip® Glucose Meter System to reduce the risk of disease transmission. All parts of the StatStrip® Glucose Hospital Meter System are considered potentially infectious and can potentially transmit blood-borne pathogens between patients and healthcare professionals.
2. Always wear a new pair of protective gloves before testing each new patient.
3. Only utilize single-use lancing devices. Do not re-use lancets.
4. Follow all operating instructions. Do not attempt to operate any equipment unless training has been successfully completed

Quick Reference Guide	Detailed Operating Procedure
QC Test	Performing a QC Test on the Nova StatStrip® Glucometer
Patient or Proficiency Test	Performing a Patient or Proficiency Test on the Nova StatStrip® Glucometer
Newborn Heel Puncture	Performing Heel Puncture Collection for Whole Blood POC Glucose Determination

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Renewed on:	2021-06-15		

# Nova StatStrip® Glucometer: QC Test

## Quick Reference Guide



1. From Home screen, press **Login**



2. Enter Operator ID and press **Accept**



3. From Patient Test screen, press **QC**



4. Scan the glucose test strip barcode.



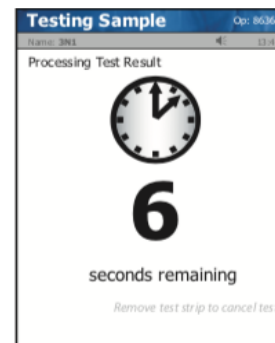
5. Scan the QC bottle.



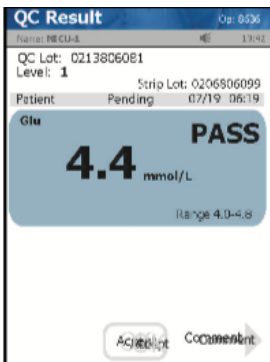
6. Insert Test Strip into the Meter



7. Touch drop from QC bottle to strip



8. Result will appear within 6 seconds



9. To accept result, press **Accept**



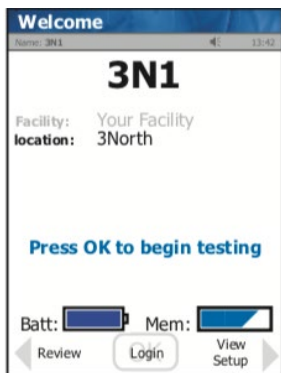
10. Repeat Steps 3 to 9 for the other QC level.

### Remember:

- QC bottles once opened are good for 3 months.
- Test strips once opened are good for 6 months.
- Failing one level of the QC requires that BOTH low and high levels be repeated.
- If QC fails, troubleshoot:
  - Does the tested QC level match to what was scanned?
  - Are the strips/QC in date?
  - Was the first QC drop discarded?
  - Was the QC bottle mixed well?
- If QC fails repeatedly, do NOT use meter. Fill out Point of Care Service Requisition and send this form together with the meter to the POCT Lab.

# Nova StatStrip® Glucometer: Patient or Proficiency Test

## Quick Reference Guide



1. From Home screen, press **Login**



2. Enter Operator ID and press **Accept**



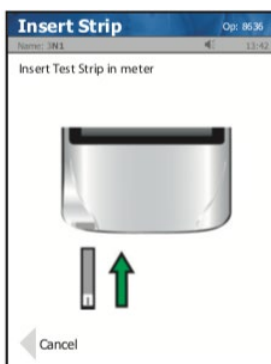
3. From Patient Test screen, press **Accept**



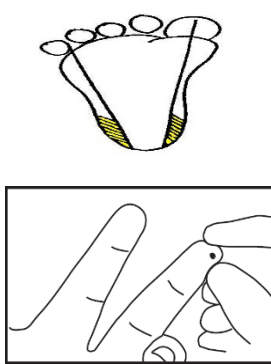
4. Scan the glucose test strip barcode.



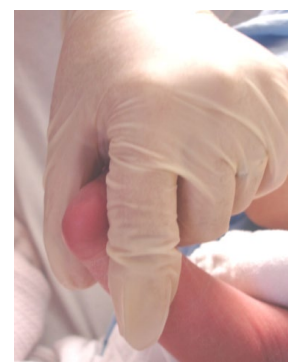
5. Enter 1 or 0.  
*For proficiency test, enter the CAP number provided with the kit.*



6. Insert Test Strip into the meter



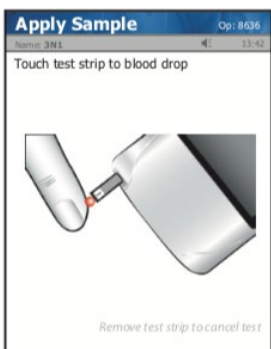
7. Collect blood sample as per SOP



8. Wipe off the first drop of blood



9. If infant is in incubator, use a micro-collection pipette.



10. Touch strip to blood drop and apply the sample in one continuous dose to prevent "flow error". Do not break the contact until hearing the beep sound. Result will appear within 6 seconds.



11. To accept result, press **Accept**. To reject result, press **Reject**.



12. To review other results, press **Review** from Patient Test screen.

# Nova StatStrip® Glucometer: **Newborn Heel Puncture**

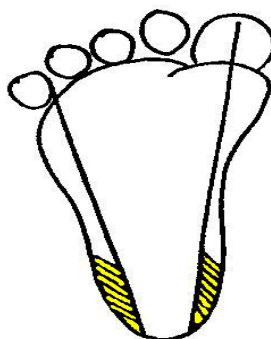
## Quick Reference Guide

### Pre-Collection Preparations:

- Always adhere to Universal Safety Precautions.
- Verify newborn identification and physician's order.
- Warm the site prior to puncture for 2-3 minutes to increase capillary flow if the puncture area is cold or circulation is poor.
- Prepare the Nova StatStrip® glucometer for patient test.

### Site Selection:

- Lateral or medial plantar surface of the heel, free of scars, cuts, bruises or rashes. Shaded areas on illustration indicate correct puncture sites.
- Avoid previous puncture site.



- Press button on lancet with forefinger to puncture skin.

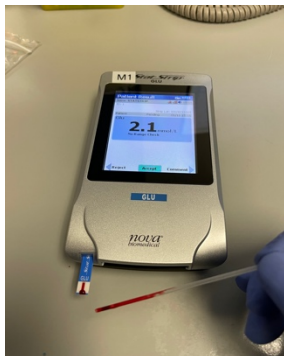
- Wipe off first drop of blood with gauze.



- Apply blood from heel to the white end of the test strip.



- If infant is inside incubator, use a micro-collection pipette.



- Apply blood from micro-collection pipette to the white end of the test strip.



- Apply pressure to puncture site to stop bleeding.



- Dispose of used materials accordingly.

### Glucose Reference and Critical Ranges

Patient Age	Normal Range	Critical Results
Neonate (<28 days)	2.6 to 7.0 mmol/L	<2.0 mmol/L >20 mmol/L
Non-Neonate (≥28 days)	4.0 to 7.0 mmol/L	<2.6 mmol/L >25 mmol/L
Adult (≥17 years old)	4.0 to 11.0 mmol/L	<2.6 mmol/L >25 mmol/L

### CRITICAL RESULT HANDLING:

- Verify good sample quality and correct sample application.
- Critical low glucose is life threatening and immediate treatment is needed. Notify the most responsible physician immediately. Confirm with a lab-drawn glucose if indicated to rule out analytical variations/interferences.
- Critical high glucose needs to be confirmed by repeating the test using a new test strip. Notify the most responsible physician. If indicated, order a lab-drawn glucose test.
- Document result and any actions taken in the patient's medical record.

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