



Nova StatStrip Lactate Quick Reference Guide

Identifier:	CWPC FSL 0105	Version #:	2
Folder:	CW POCT	Type:	Procedure (3yr)
Subfolder:	FS LACTATE	Effective on:	2021-08-09

**Nova Statstrip Lactate: Quick Reference Guide**



**Fetal Scalp Lactate Cart**  
**Assemble equipment & supplies Confirm Lot # & expiry dates:**  
 - Capillary tube (Fetal Scalp kit)  
 - NOVA STAT LAC Test Strips (*Open vial is 90 days. Write date on vial.*)  
 - NOVA STAT LAC Quality Control solutions Level 1 & Level 2. (*Open vial is 90 days. Dated by POCT-LAB.*)  
 - NOVA STAT LAC meter – confirm date & time is correct.

**NOVA Stat Strip Lactate Quality Control (QC) is performed on Dayshift @ 8 am q. 24 hr.**

**QC is performed within 24 hours prior to a patient test:**

- QC solutions - Level1 (Green); Level 2(Blue).

**Patient Testing is with a physician order:**

- Proceed if QC Levels 1 & 2 are within range for NOVA STAT LAC.
- Patient is identified – name, date of birth, medical record number (MRN).
- NOVA STAT LAC test result is documented on the patient chart (fetal monitoring tracing, nursing partogram).
- Include date/time of collection and operator ID on patient chart.

**Clinical Guidelines for Delivery**

If the Fetal Scalp Lactate is:	Then:
Less than (<) 3.0 mmol/L	FS LAC is <b>Normal</b>
3.0-4.5 mmol/L	<b>Repeat FBS collection within 30 minutes</b>
Greater than (>) 4.5 mmol/L	<b>Delivery</b> is indicated

**Note: Repeat FSL on same sample collection to verify result if indicated.**

**Patient & QC Test Preparation - Steps 1-5**

<b>1 CHECK Base Light</b> Green light – full charge Amber light - partial charge Front - NOVA LAC Back - extra battery	<b>2. REMOVE NOVA LAC from Base Charger</b> Unit is wall mounted by Fetal Scalp Lactate Cart <b>Replace battery in meter every 6-8 hours.</b>	<b>3.PRESS ON/OFF</b> button <b>CHECK</b> Date/ Time Battery Level Press "Logout" to delete previous OPID if required Press "Login"	<b>4.Enter Operator ID</b> screen Scan or Manually Enter Employee ID = "XXXXXX" digits Press "Accept" on screen	<b>5.Patient Test</b> screen Press "QC" for QC test Or Press "Accept" for Patient test

**Quality Control Test – 6-10 (Ensure QC Test is within QC range prior to patient testing.)**

<b>6.Enter (Test) Strip Lot</b> screen Scan or Manually Enter NOVA LAC test strip lot Confirm strip lot on vial Press "Accept"	<b>7.Enter QC Lot</b> screen Scan NOVA LAC QC Level 1 (or 2) Confirm QC lot on vial. Press "Accept"	<b>8. Insert (Test)Strip</b> screen Remove Test Strip from vial & insert into the strip port at the top of meter. Press "Accept" Meter time out is 10 min.	<b>9.Apply Sample</b> screen Mix QC vial well. Remove cap & wipe 1 <sup>st</sup> drop. Apply using 2 <sup>nd</sup> drop QC solution. Recap vial. <b>Result ready in 13 sec.</b>	<b>10.QC Result</b> screen Result displayed with "PASS" or "FAIL". Use NOVA LAC only if QC within range.

**Patient Test – Steps 11-15**

<b>11.Enter (Test) Strip Lot</b> screen Scan or Manually Enter NOVA LAC test strip lot Confirm strip lot on vial Press "Accept"	<b>12.Enter Patient ID</b> screen <b>Identify Patient</b> Name, DOB, MRN Manually enter or SCAN Patient ID. Press "Accept"	<b>13.Insert (Test)Strip</b> screen Remove Test Strip from vial & insert into the strip port at the top of meter. Press "Accept" Meter time out is 10 min. <b>Collect FBS sample</b> – Minimum 1cm in capillary tube. Wipe capillary tube to avoid contamination.	<b>14.Apply Sample</b> screen To apply FBS sample: Tap capillary tube to remove first drop(tissue). Hold the NOVA LAC at a slight upward angle. Tap the capillary tube gently & apply FBS sample to the test strip. <b>Sample volume 0.6 uL</b> <b>Result ready in 13 sec</b>	<b>15.Patient Result</b> screen Document FBS Lactate result: Patient chart (Fetal monitoring tracing & partogram) Discard biohazard waste. <b>Measuring Range:</b> <b>0.3 – 20.0 mmol/L</b>

Written by: Juliето C. Tumalak  
 Reviewed by: Juliето C. Tumalak  
 Reviewed on: 2021-08-09  
 Renewed by:  
 Renewed on:

Approved by (sign.):  
 Approved by (name): Li Wang  
 Approved on: 2021-08-09  
 Revision Date: 2024-08-09

Troubleshooting Guide - ERRORS						
	Battery Low	Temperature	Bad Sample	Replace Strip	Analysis	Test Strip Flow
<b>SCREEN</b>						
<b>ERROR / ALERT</b>	Battery Screen alert Battery Low	Temperature Error Screen alert <i>Temperature not within range.</i>	Analysis Error - "Bad" sample Screen alert <i>Insufficient or sample with clots.</i>	Can occur after test strip insertion or during a sample analysis	Sample incorrectly drawn into test strip. Insufficient or incorrect sample application.	Sample incorrectly drawn into test strip. Insufficient or incorrect sample application.
<b>SOLUTION</b>	Change battery or place meter on charging base. Extra battery is kept charging on Meter Charging Station at all times.	Meter will only operate within 15°C to 40°C. Return meter to environment within specified temperature range.	Insert a new strip and rerun the test. If the error code persists – repeat with new test strip vial or alternate method. <i>Recollect using a new site or ensure that original puncture site has free flow of sample – no clots.</i>	Repeat with a new test strip. If error persists – repeat with new test strip vial or alternate method. <i>Recollect using a new site or ensure that original puncture site has free flow of sample – no clots.</i>	Repeat with a new test strip. If error persists – repeat with new test strip vial or alternate method. <i>Recollect using a new site or ensure that original puncture site has free flow of sample – no clots.</i>	Repeat with a new test strip. If error persists – repeat with new test strip vial or alternate method. <i>Recollect using a new site or ensure that original puncture site has free flow of sample – no clots.</i>

**Battery Replacement : Battery Life approximately 6 – 8 hours.**  
Press the ON/OFF button to place meter in **SLEEP MODE**. If replacement takes more than 20 seconds adjust date/time.

<b>Extra battery</b> – back of Meter Charging Station. Green light - full charge. Yellow light – charging. Replace on Base Unit after use.	<b>Cover Latches</b> – back of meter Push down on the 2 cover latches to release the cover. Remove the battery cover.	<b>Battery Latch</b> - white tab - push up on the battery latch. Remove the drained battery. Replace.	<b>Replace correctly</b> – battery is keyed to allow insertion into bottom of compartment first, then push in top under latch. Replace cover. Snap in place.

**Setting the Date / Time : Post battery change - NOVA Meter has no charge, or replacement of the battery is > 20 sec.**

<b>Turn meter on.</b> <b>Welcome Screen</b> – Press [Continue]. <b>Patient Test Screen</b> – Press [Menu].	<b>Menu Screen</b> – Press [Admin].	<b>Admin. Screen</b> – Press [Set Time]	<b>Set Time Screen – To Change Time</b> - Press the drop down arrow for hour & for time.	<b>Set Time Screen – To Change Date</b> - Press the drop down arrow for month, day, & year.

**NOVA STAT METER & CARE**

<b>Meter Touch Screen 3-button keypad</b> 	<b>Meter Home Screen</b> <b>Screen Messages</b> Press OK Memory Low Memory Full Battery Low QC Due : xx :xx hrs LOCKED Perform QC 	<b>Meter Care</b>  <b>Caviwipes</b> Wipe once to clean the analyzer. Repeat to disinfect. Allow to soak for 3 minutes. Air Dry.
---	---	--

For Assistance or supplies contact: Point of Care Technologist. Monday – Friday 604-875-2345 EXT: 7521  
Chemistry Lab Room 2J17. After hours/weekends ext: 7850

For training and ongoing competency, contact the Women’s Hospital Educator. Point of Care testing is laboratory accredited. Minimum ongoing competency requirements – Annually, (1) perform one patient (or fake) test and one set of Quality Control; and (2) complete Learning Hub Fetal Scalp Lactate Quiz (Course 18045).

NOVA Biomedical StatStrip Lactate Hospital Meter. 2012. Nova biomedical Corporation, Waltham, MA 02454-9141

**Attention: This document is published on the ePOPS website**

Revisions made to this document require an update to the corresponding document published on ePOPS website