

Nova StatStrip Glucose Meter Training

Bio-Asia

Nova StatStrip Glucose Hospital Meter System



Glucose Meter & Single
Docking/Charging Station



Test Strips



Control Solutions

Intended Use & Features



Intended Use & Features

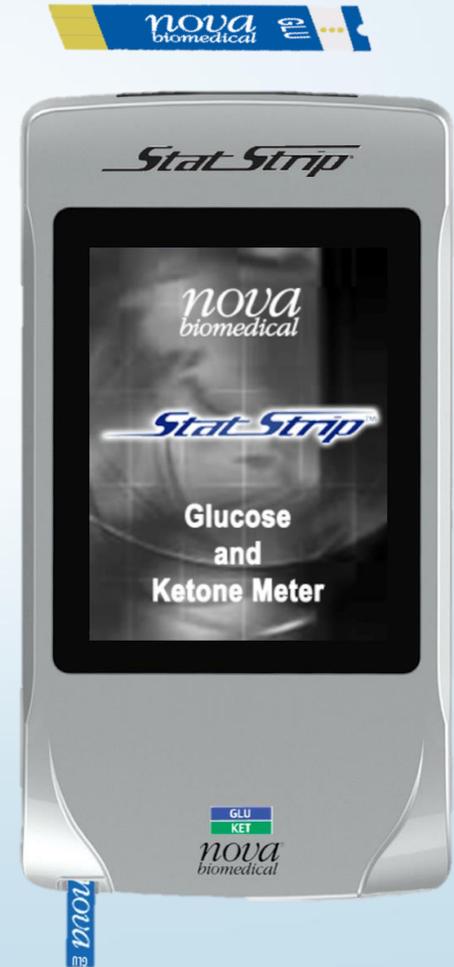
Rechargeable battery: Typical life of fully charged battery is 8 hours or 40 tests (when not docked)



Ejector button

Intended Use & Features-Glucose

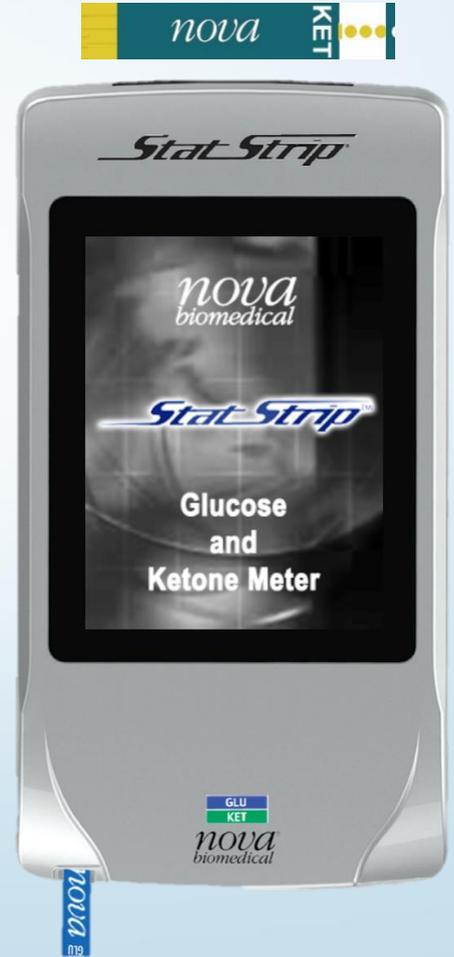
- ❖ Point-of-care
- ❖ FDA-cleared for use among all hospitalized patients
- ❖ Interferences Eliminated: Hct, Ascorbic Acid, Uric Acid, Acetaminophen, Bilirubin, Maltose, Galactose, Xylose, Oxygen.
- ❖ Blood Sample: Capillary finger stick
 - arterial blood
 - venous blood
 - neonate heel stick
- ❖ Fresh whole blood with/without Heparin
- ❖ Faster Analysis Time (6s)
- ❖ Small Sample Volume (1.2 μ L)
- ❖ Larger Linearity Range (0.6-33.3 mmol/L)



Intended Use & Features-β Ketone

- ❖ For rapid detection of diabetic ketoacidosis (DKA)
- ❖ Blood Ketone over urine Ketone (more accurate)
- ❖ Interference Eliminated: Hct, Ascorbic Acid, Uric Acid, Paracetamol, Bilirubin, Maltose , Galactose, Oxygen.
- ❖ Blood Sample: Capillary finger stick
Venous blood
- ❖ Fresh whole blood with/without Heparin
- ❖ Faster Analysis Time (10s)
- ❖ Small Sample Volume (0.8PL)
- ❖ Larger Linearity Range (0.1-7.0 mmol/L)

- ◆ **Same QC Solution with Glucose**
- ◆ **Different Test Strip!!!**



THE DOCKING STATION with WALL MOUNT

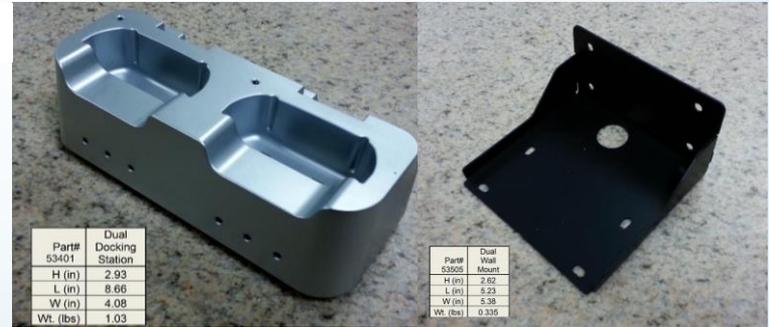
❖ Docking Station Functions

- Configuration
- Upload result (with LAN port)
- Charge spare battery
- Charging Meter

Single



Dual



Quad

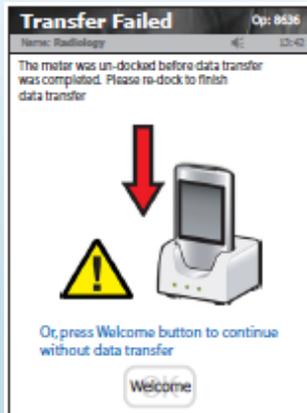


THE DOCKING STATION

❖ Lights

- **Amber/ Green**
- right : Battery Charge
- ctr : Communication
- left : Connected

- ◆ You can remove the meter for testing from docking station **anytime** even if transfer was incomplete.



Charging Light for Spare Battery

Green light on when connected to the network (Ethernet)

Green light on when data is flowing

Charging Light:
Amber = Charging
Green = Fully Charged



Reagents

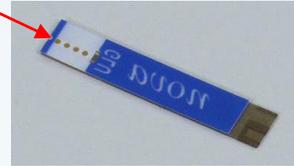
❖ Strips

- Room Temp storage
- End fill
- **50** stripes/vial for GLU, **25** stripes/vial for KET
- Date Vials When Opened
 - **6 months** Expiration After Opening (GLU)
 - **3 months** Expiration After Opening (KET)
- Keep Vial Closed
 - Protect from Heat & Humidity

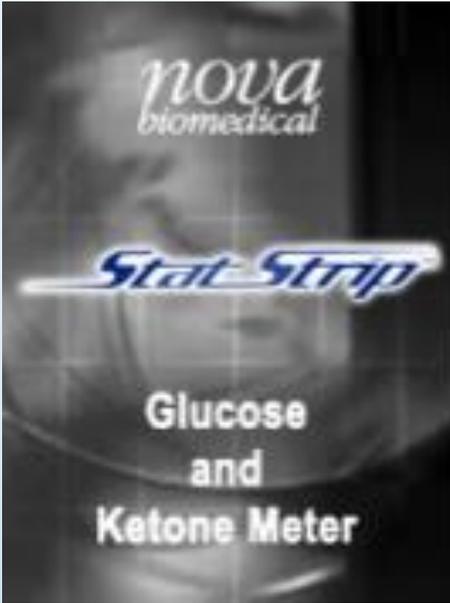
❖ QC Solutions (Combined Glu and Ket)

- Lv1 (Glucose in **low** level, 2.4-3.3-4.1 mmol/L)
- Lv3 (Glucose in **high** level, 13.9-16.7-19.4 mmol/L)
- Room Temp storage
- Date Vials When Opened
 - **3 months** Expiration After Opening

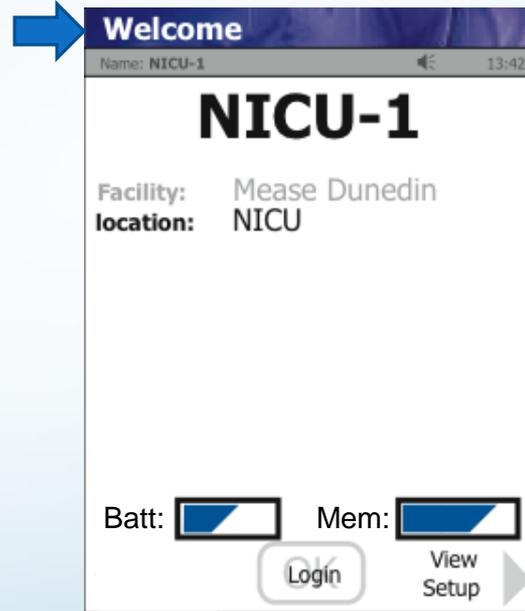
Sample fill in



Getting Started

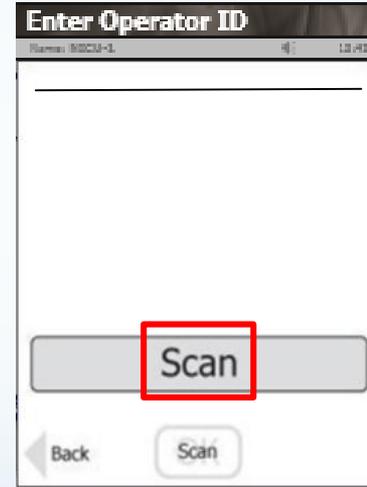
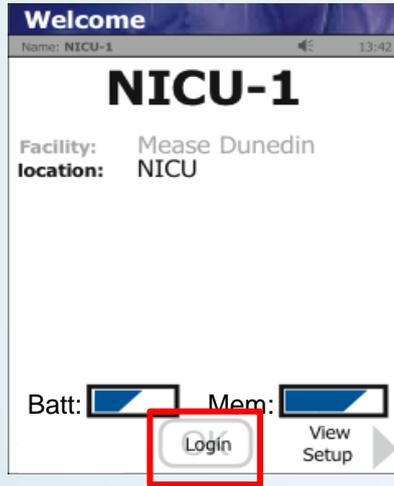


- ❖ After initial power up



- ❖ Welcome page

Login



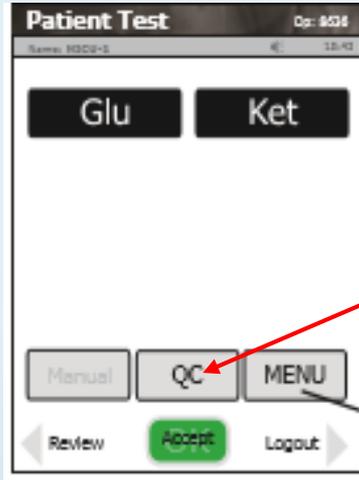
- ❖ Press Login in the Welcome page
- ❖ Barcode Scan Required
- ❖ For Barcode scanning: Press and Release the Scan Button. Do Not Hold It Down.
Hold Meter 4-6" Away From The Barcode

Quality Control

- ✓ QC Lockouts for Glu: Every **24Hrs**
- ✓ Must perform Lv 1 and 3 QC solution to unlock the meter for patient test OR use the other meter to perform patient test

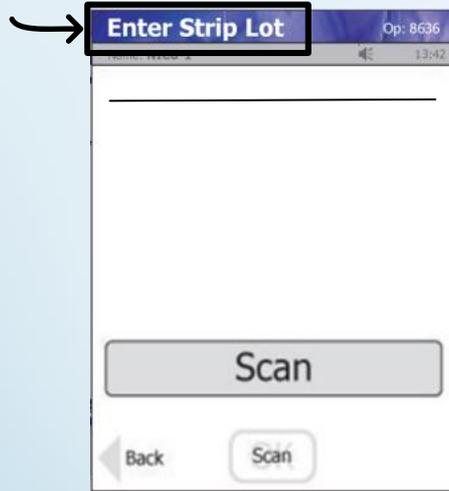


Quality Control

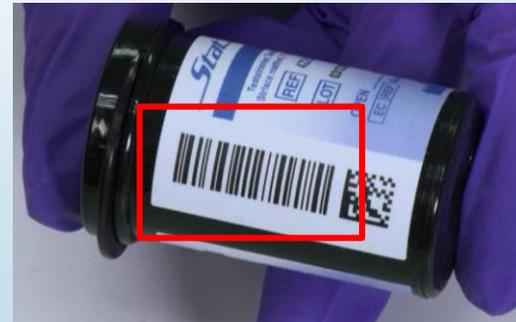


1. After Login, press **QC** soft key

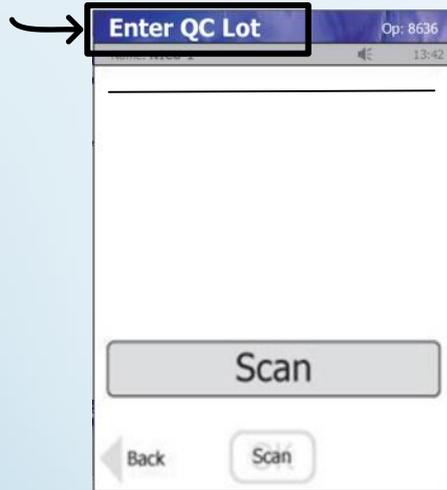
Quality Control



1. After Login, press QC soft key
2. Scan Strip Lot on the strip vial



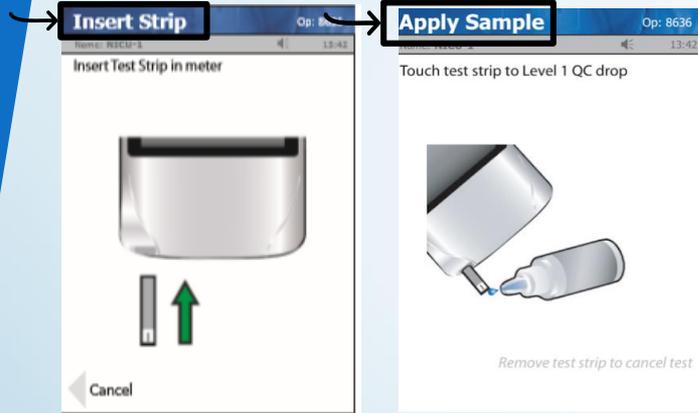
Quality Control



1. After Login, press QC soft key
2. Scan Strip Lot on the strip vial
3. Scan QC Lot on the bottle of the QC solution

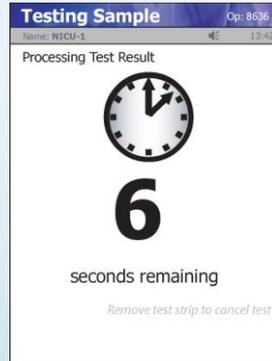


Quality Control



1. After Login, press QC soft key
2. Scan Strip Lot on the strip vial
3. Scan QC Lot on the bottle of the QC solution
4. Insert Strip in meter based on the instruction. When strip is firm to be inserted, a "Apply Sample" screen will then displayed

Quality Control



1. After Login, press QC soft key
2. Scan Strip Lot on the strip vial
3. Scan QC Lot on the bottle of the QC solution
4. Insert Strip in meter based on the instruction
5. When apply sample page shown, gently mix the QC solution. Remove the bottle cap ,squeeze and expel the First Drop and wipe bottle tip with a tissue.
6. Place QC bottle with small droplet suspected onto end of test strip or squeeze the droplet on a clean non-absorbent surface.
7. Keep QC solution in contact with end of the test strip until countdown starts.

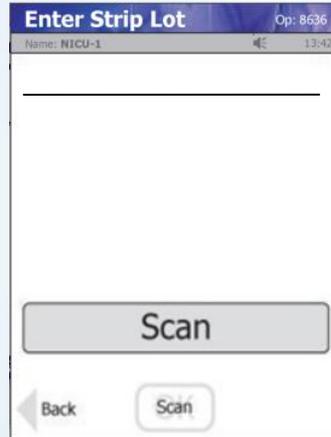
- ✓ Do not touch the test strip to the QC solution droplet a second time.
- ✓ Do not remove the test stripe while the countdown is in progress

Quality Control

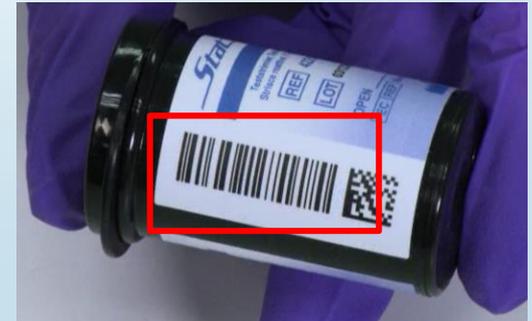
QC Result Op: 8636
Name: NICU-1 13:42
QC Lot: 0213806081
Level: 1
Strip Lot: 0206806099
QC Pending 07/19 06:19
Glu **PASS**
4.4 mmol/L
Range 4.0-4.8
OK

1. After Login, press QC soft key
2. Scan Strip Lot on the strip vial
3. Scan QC Lot on the bottle of the QC solution
4. Insert Strip in meter based on the instruction
5. When apply sample page shown, gently mix the QC solution. Remove the bottle cap ,squeeze and expel the First Drop and wipe bottle tip with a tissue.
6. Place QC bottle with small droplet suspected onto end of test strip or squeeze the droplet on a clean non-absorbent surface.
7. Keep QC solution in contact with end of the test strip until countdown starts.
8. Results shown in 6 sec for Glucose & 10 sec for Ketone.
9. Eject the test strip.
10. Confirm result is Passed. Press accept soft key.

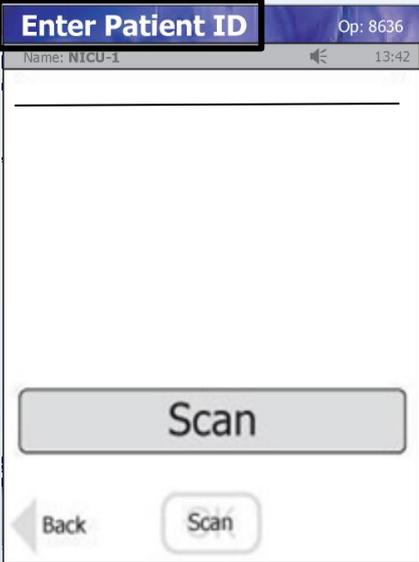
Performing Patient test



1. After Login, press **Accept** soft key
2. Scan Strip Lot on the strip vial



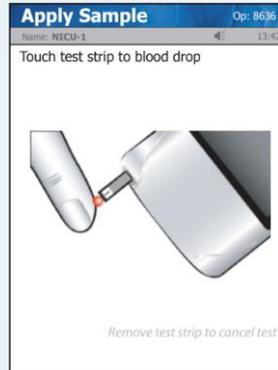
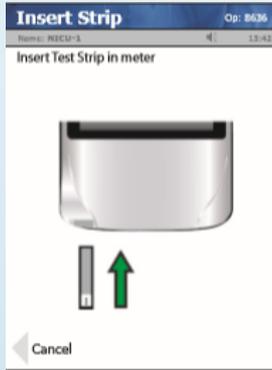
Performing Patient test



The screenshot shows a mobile application interface. At the top, there is a blue header bar with the text "Enter Patient ID" in white. To the right of the header, it says "Op: 8636". Below the header, there is a white area with a thin horizontal line. At the bottom of the screen, there is a large grey button labeled "Scan". Below this button, there are two smaller buttons: a "Back" button with a left-pointing arrow and a "Scan" button with a rounded rectangular border.

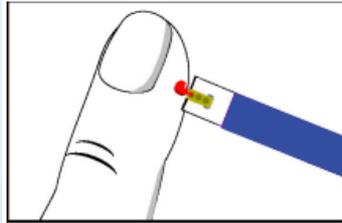
1. After Login, press Accept soft key
2. Scan Strip Lot on the strip vial
3. Scan Patient ID

Performing Patient test



1. After Login, press Accept soft key
2. Scan Strip Lot on the strip vial
3. Scan Patient ID
4. Insert Strip in meter based on the instruction. When strip is firm to be inserted, a "Apply Sample" screen will then displayed

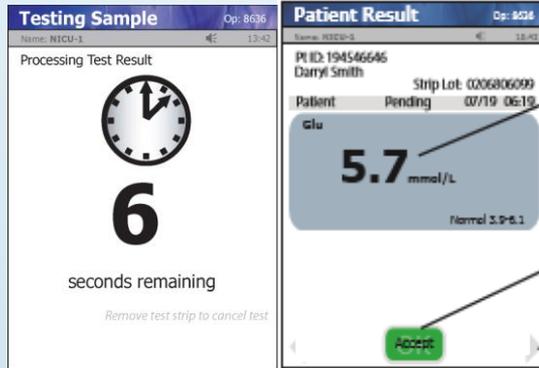
Performing Patient test



1. After Login, press Accept soft key
2. Scan Strip Lot on the strip vial
3. Scan Patient ID
4. Insert Strip in meter based on the instruction
5. Wash patient finger and apply the patient sample to the end of the test strip until countdown starts.
(**Massage finger** before puncture if necessary)

- ✓ Hold the meter downward/horizontal to avoid liquid entering into the meter.
- ✓ Do not touch the test strip to the blood droplet a second time.
- ✓ Do not remove the test strip while the countdown is in progress

Performing Patient test



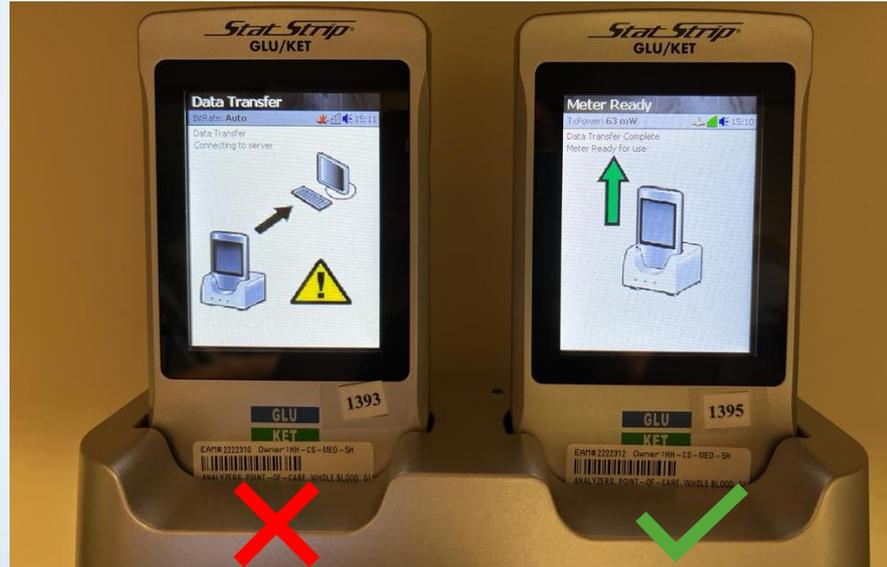
1. After Login, press Accept soft key
2. Scan Strip Lot on the strip vial
3. Scan Patient ID
4. Insert Strip in meter based on the instruction
5. Apply the patient sample to the end of the test strip until countdown starts.
6. Results are shown in 6 sec for Glucose & 10 sec for Ketone.
7. Eject the test strip.
8. Press **accept** soft key to accept the result.

Data Transmission



- ❖ Meter connects and communicates via WLAN (**WIFI Radio**)
- ❖ Make Sure the Radio is **ON** and Network is **CONNECTED**.
→ Radio and Network Connection status is displayed via icons on the Screen Title Bar
- ❖ Auto Data Transmission
→ process about 1-2 seconds after Accept button pressed

Data Transmission



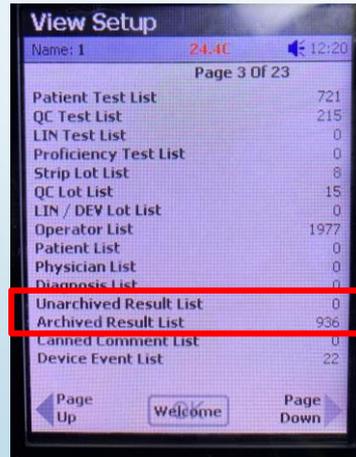
- ❖ When docking, meter should show "Data Transfer Complete" ↑

Data Transmission

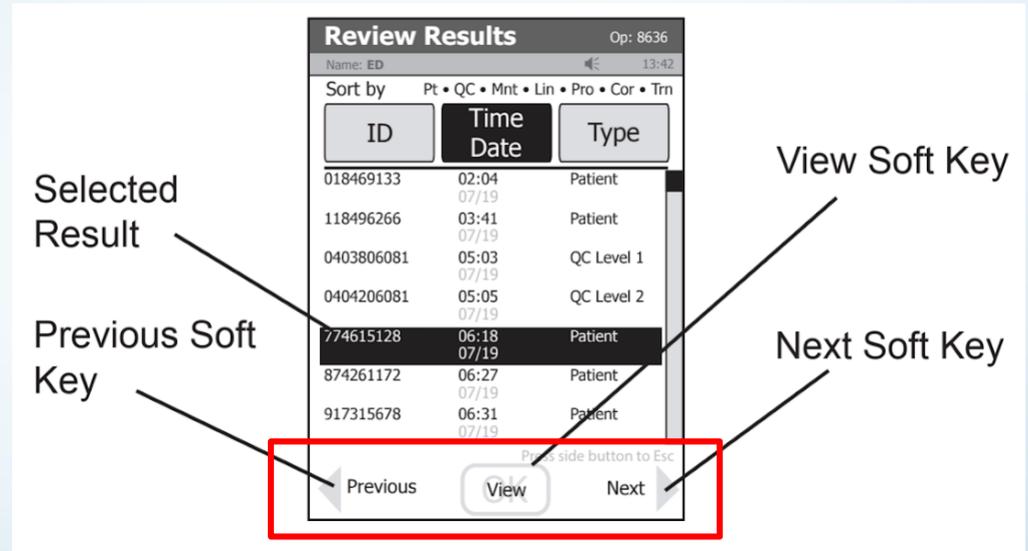
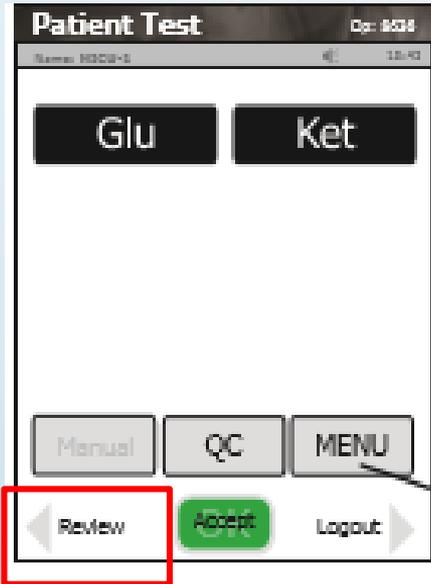


To confirm data transmit successful,

- Go to page 3 of View Setup function
- you can see the number of **Archived** and **Unarchived** results
- If Unarchived is set to "0" which means all results have been transmitted



REVIEW RESULTS



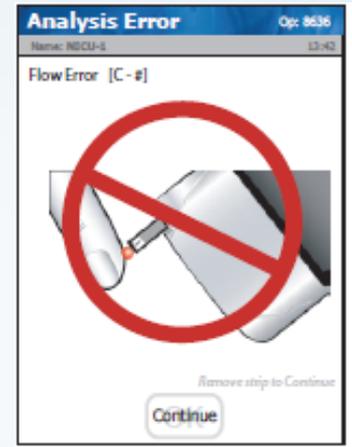
- ❖ Press Review Soft key at patient test page
- ❖ Can be Sorted By Date & Time / ID / Sample Type
- ❖ Press View to view detail

TROUBLESHOOTING

- ❖ Meter wake up: Touching the screen
- ❖ Error Code
 - Battery Low
 - Analysis error
 - Bad Sample
 - Replace Strip
 - Flow error (specimen was incorrectly drawn into the test strip)

Repeat the test with a new test strip and fresh sample

Emergency contact: 27870906 Bio-Asia



Cleaning

- ❖ Clean the meter according to hospital protocol.
-**Alcohol pad** is allowable
 - ❖ Thoroughly wipe the surface of the meter.
(top, bottom, left, and right sides)
 - ❖ Avoiding the barcode scanner and electrical connector.
-
- ❌ Do not spray any liquid onto the meter; use wipes or tissues only.
 - ❌ Do not get any fluid in contact with the test strip or electrical connector areas of the meter.



The End~