


ACCU-CHEK[®] *Inform II system*

Operator Training



Training Objectives

1. **Introduction** 
2. Function of the meter
3. Perform QC Test
4. Perform Patient Test
5. Reviewing Results
6. Maintenance & Care



ACCU-CHEK® Inform II system



Accu-Chek Inform II System is a Hospital Point-of-Care instrument that

- *measures blood glucose*
- *automatically does record keeping*

Components

Accu-Chek Inform II Meter



Power Supply



USB Cable

Accu-Chek Inform II Base Unit
(fixed to designated desktop)

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Functions



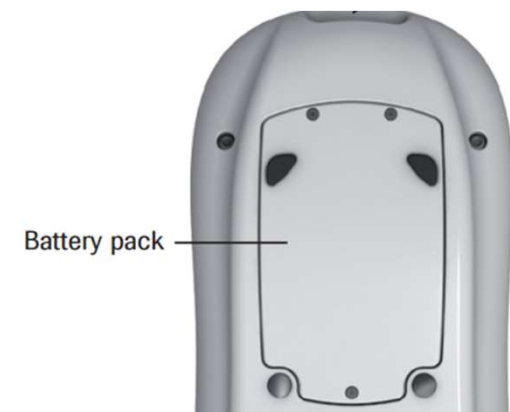
Test Strip Port
Insert test strip here

Touch Screen
Perform patient/control tests
Review results

On / Off Button
Turn the meter on or off



Barcode Scanner
Read operator ID and
Patient ID



Battery pack

Accu-Chek Base Unit

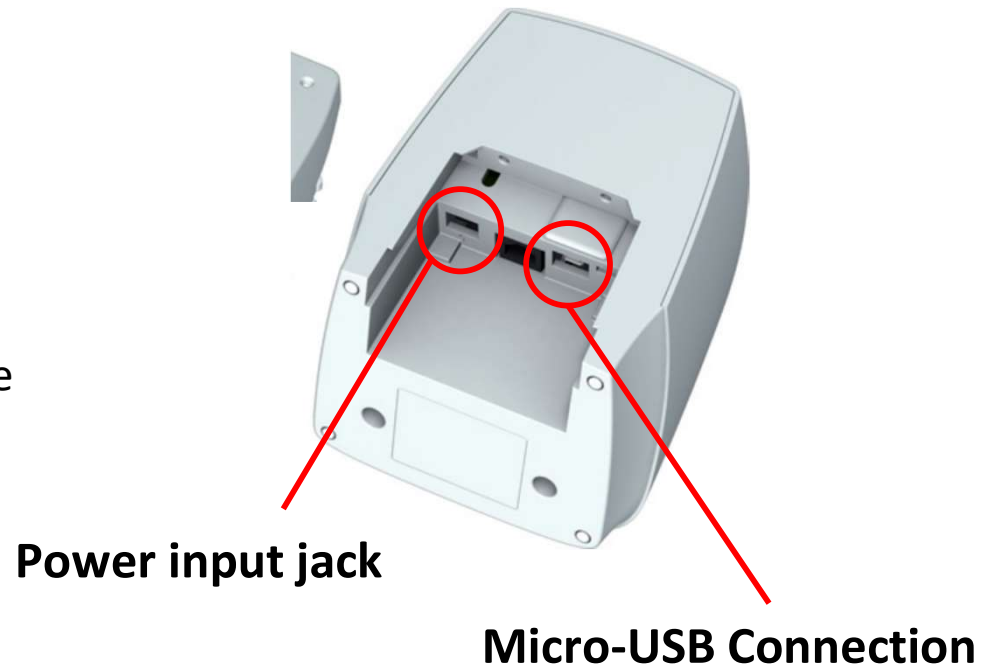
Base Unit LED Display

- **Green** : Base Unit is booted up, Ready
- **Red** : Power supply is connected, not Ready
- **Flashing "Red"** : Error



If flashing Red:

1. Re-dock the meter
2. Check that USB is connected to the PC
3. Check on desktop that client software (ROCHE HBU/BU Control Panel) is installed
4. Reboot Base Unit and wait till **Green** before docking



Accu-Chek Inform II Test Strips

- 5 seconds test time

Y Capillary Tip -
Easy Fill



Six Gold Electrodes
(Insert this part into Test Strip port)
– system checks for temp, humidity, damage, hematocrit, underdosing

- Small blood sample (0.6ul)
 - dosing on the **front end** of the test strip
- Modified Glucose Dehydrogenase (MUT-Q GDH)
Not subjected to interference from maltose therapy
- Approved for capillary, venous, arterial and neonatal sample
- Flip-top cap & Desiccant is built into the wall of vial



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Performing Control Test

- Follow the hospital protocol.
- Before the first patient test for the day
- When using a new test strip vial for the first time.
- When using a new test strip lot for the first time
- If questionable test results are displayed repeatedly.
- If a previous control test is out of range.
- If the test strip container has been left open or incorrectly stored.
- Upon return of meter from servicing or maintenance.
- If the meter was dropped.




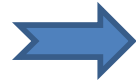
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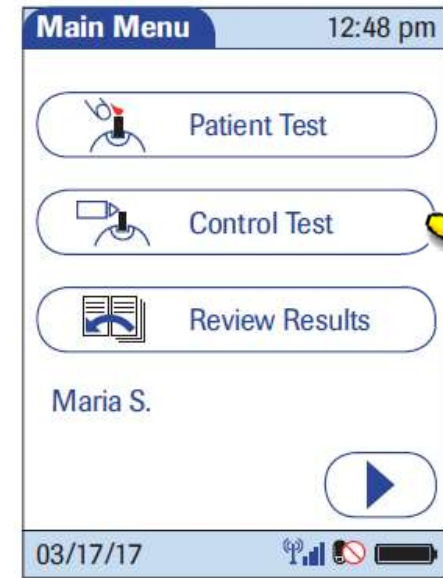
Performing Control Test



Press On/Off button  to turn on meter



Scan Operator ID

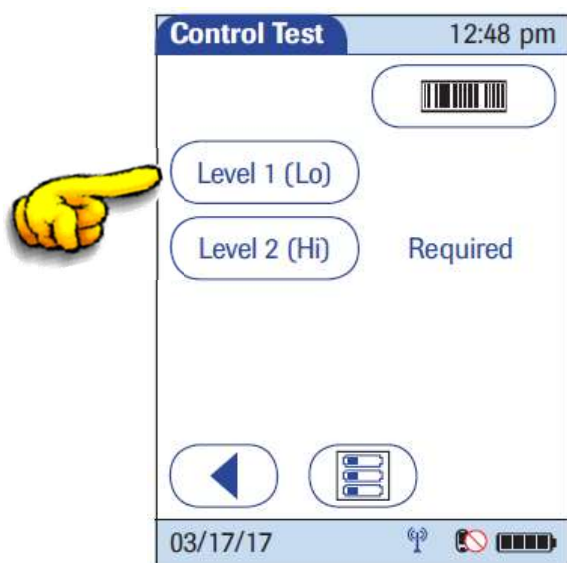


At Main Menu select **Control Test**.

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Performing Control Test



Select **Level 1 (Lo)** for Level 1 Control

Confirm the control lot displayed on the meter matches lot no. on the bottle.

Performing Control Test

Control Lot **MATCHES**

Press



To confirm the control lot displayed on the meter matches that stated on the bottles of control being used.



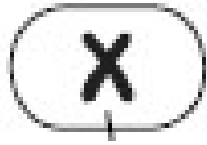
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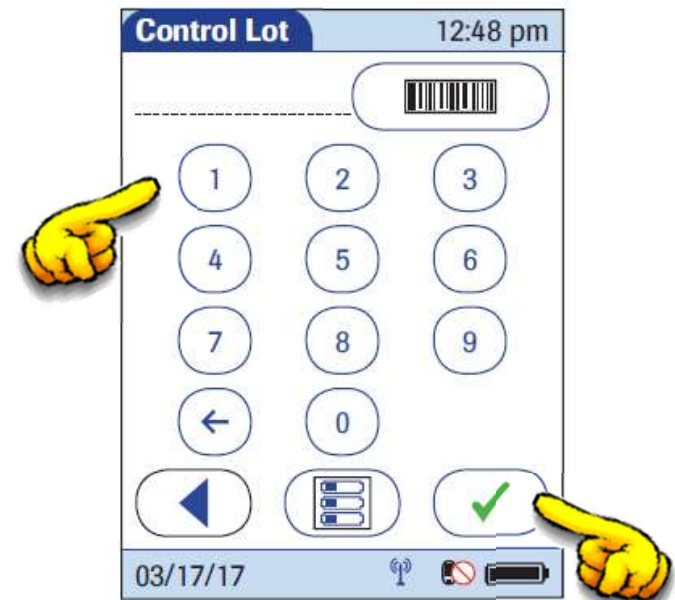
Performing Control Test

Control Lot that DOES NOT MATCH

Press



KEY in the lot number of the control you are using.



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Performing Control Test



IF **MATCHES**

Press 

OR

IF **DOES NOT MATCH**

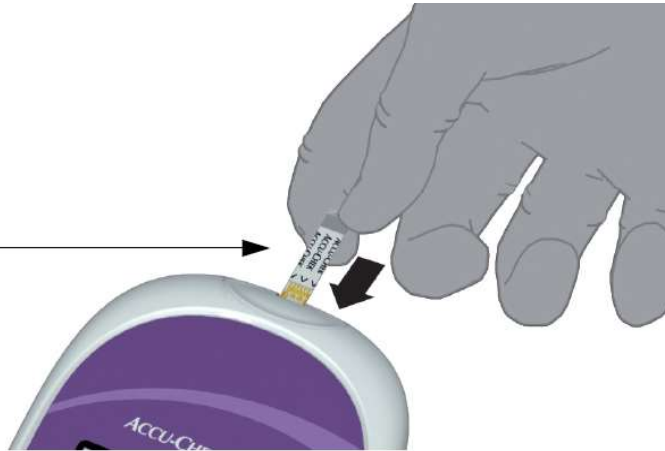
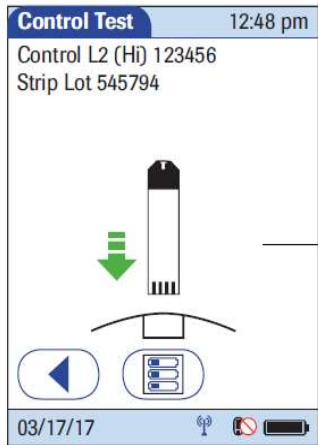
Press  and **SELECT** the correct test strips lot



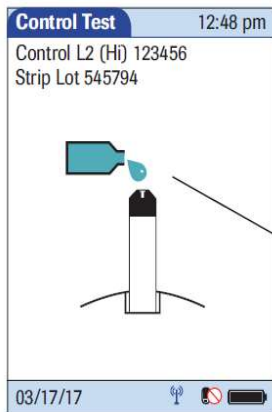
Press  to confirm

Confirm the test strip Lot number displayed on the meter **matches** the Lot number stated on the test strip bottle that being used.

Performing Control Test



Insert Test Strip once prompted.
Once inserted correctly,
Hourglass will appear

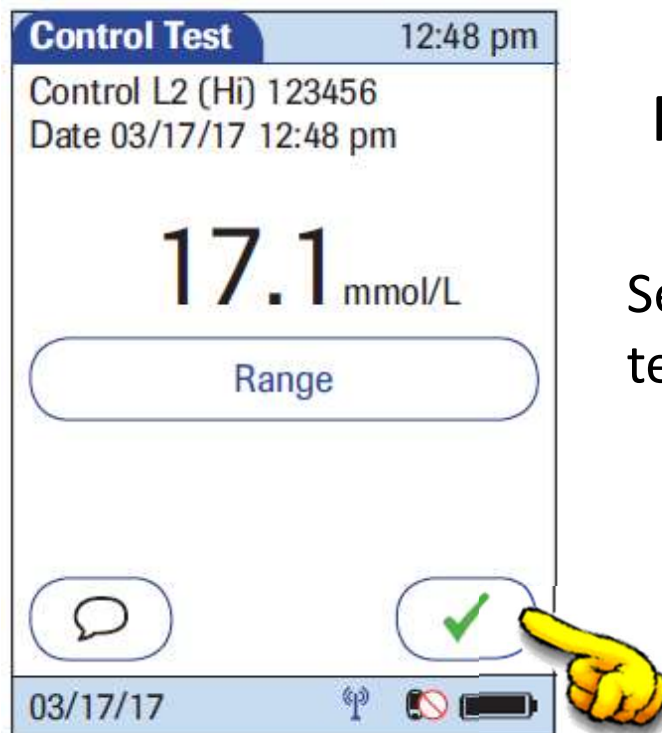


When **flashing control solution**
symbol appears, apply Control
Solution.

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Performing Control Test



Results in 5 sec.

Select to confirm the test result.

Performing Control Test

Tips for Control Test

1. Expiry Date of the Control Solution is **3 months** from opening date.
(Always label expiry clearly on the bottles)
2. Mix well before use.
3. Always wipe the tip of the Control Solution bottle before & after using.
4. Cap back immediately after used.



Performing Control Test

What to do when QC is out-of range?

Check if:

1. The test strips & control solutions were expired?
2. You have used the **correct Level** of control solution (Level 1 or 2) according to the Control Level you chose on meter?

Ensure:

1. You wiped the tip of the control solution bottle before use.
2. The caps of the test strips container and the control solution bottle were always closed immediately & tightly.
3. The test strip was used immediately after removing from its container.
4. The test strips and control solutions were stored in a cool, dry place.
5. **Repeat QC test** (either with new strips/control solutions)

If you are still unsure of the problem, please contact your POCT coordinator or Roche.

QC Lockout



QC Lockout occurs when:

- Patient testing is attempted and control testing has not been run in the last 24 hours.
- Control tests have been run but the control values were not in range.
- During **emergency, or resuscitation** of the critically ill patient, operator is allowed to perform a STAT patient glucose test even if the meter QC has Lockout.
- Conduct QC test as soon as possible after “Run STAT” is performed.

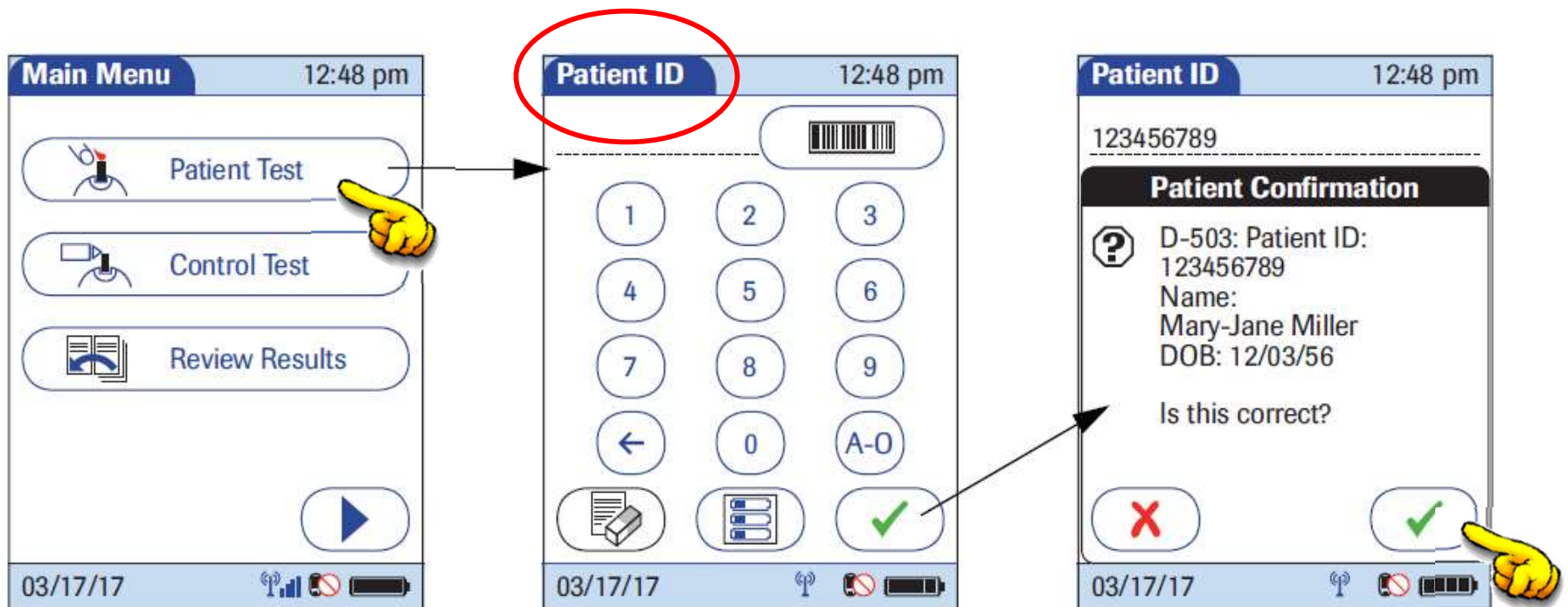
Training Objectives

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Performing Patient Test

Important! Verify CBG order with patient's identity using 2 identifiers by checking with patient.



1. On main menu select **Patient Test**.

2. Enter patient ID

Alternatively, scan Patient ID from barcode IC or patient sticky label

3. **Verify with patient** that name and ID matches.

Performing Patient Test



IF **MATCHES**

Press

OR

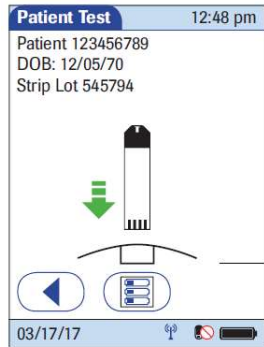
IF **DOES NOT MATCH**

Press and select correct test strip

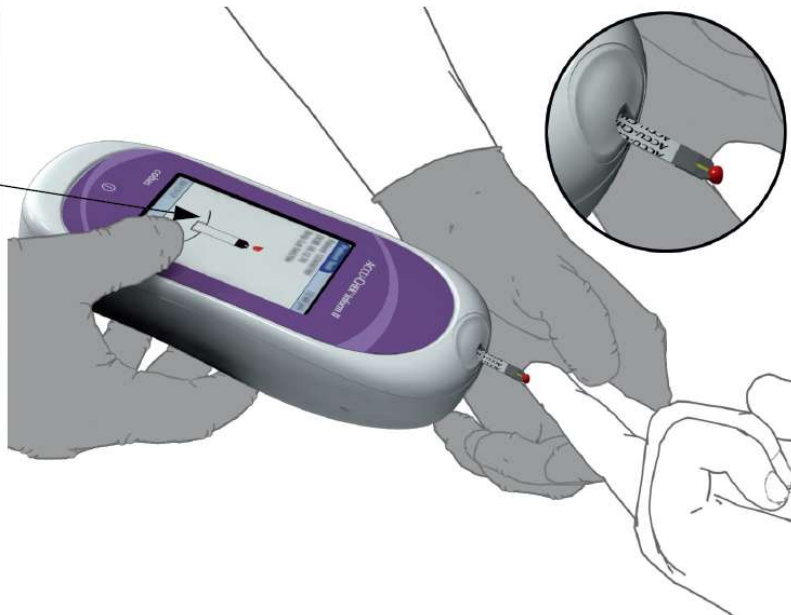
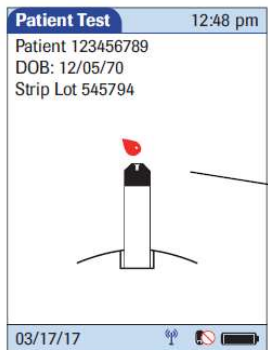
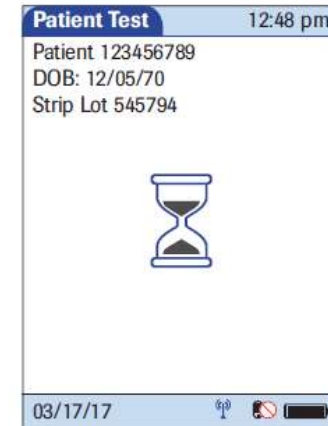
Confirm the test strip Lot number displayed on the meter **matches** the Lot number stated on the test strip bottle that being used.



Performing Patient Test

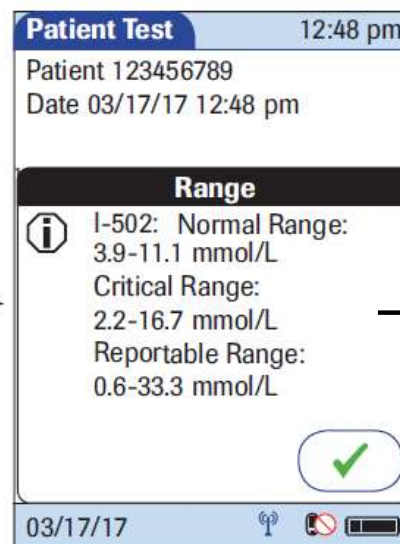
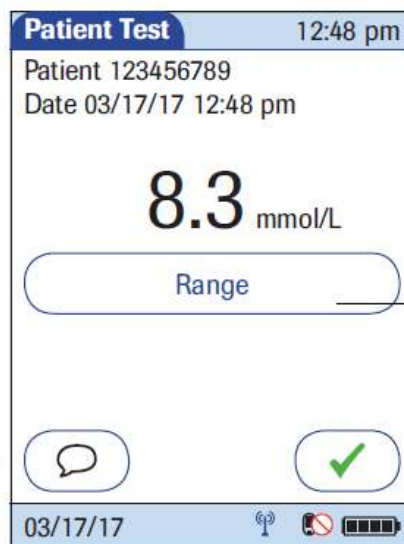
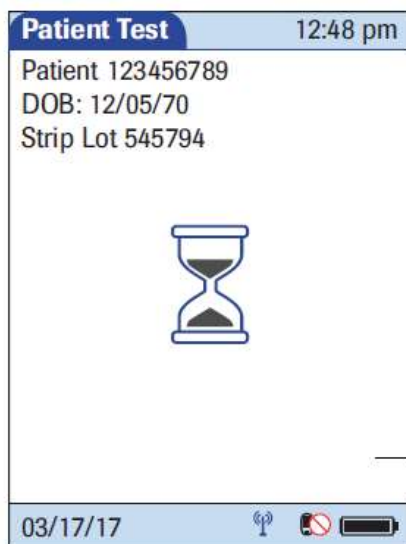


Insert Test Strip once prompted. Once inserted correctly, Hourglass will appear



When **flashing blood** symbol appears, Aim blood drop to the **front edge** of the test strip. Ensure that the **entire yellow window** is filled with blood.

Performing Patient Test



Dock
glucometer

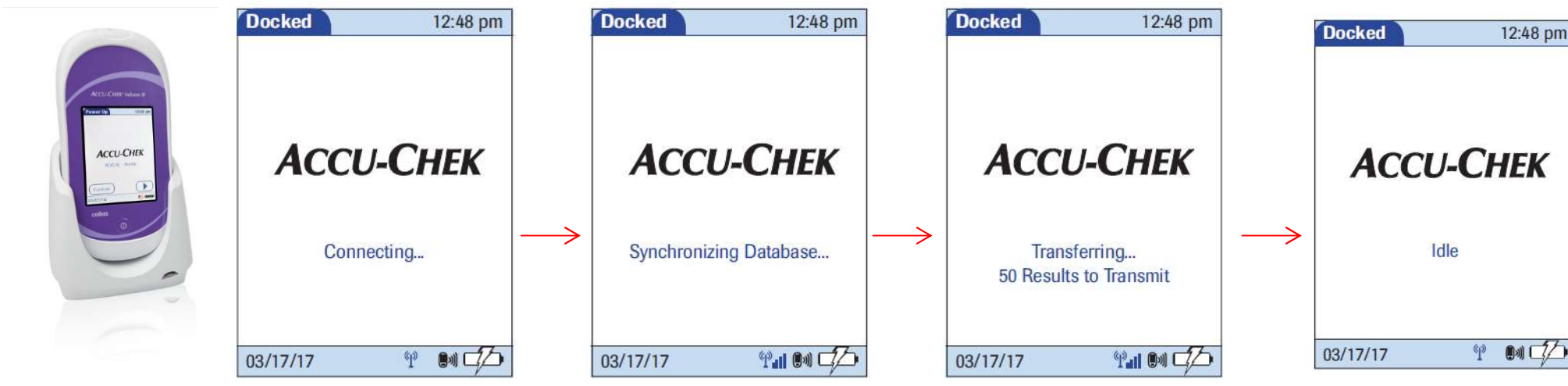
REMEMBER!

Clean glucometer with Disinfectant-impregnated wipes.

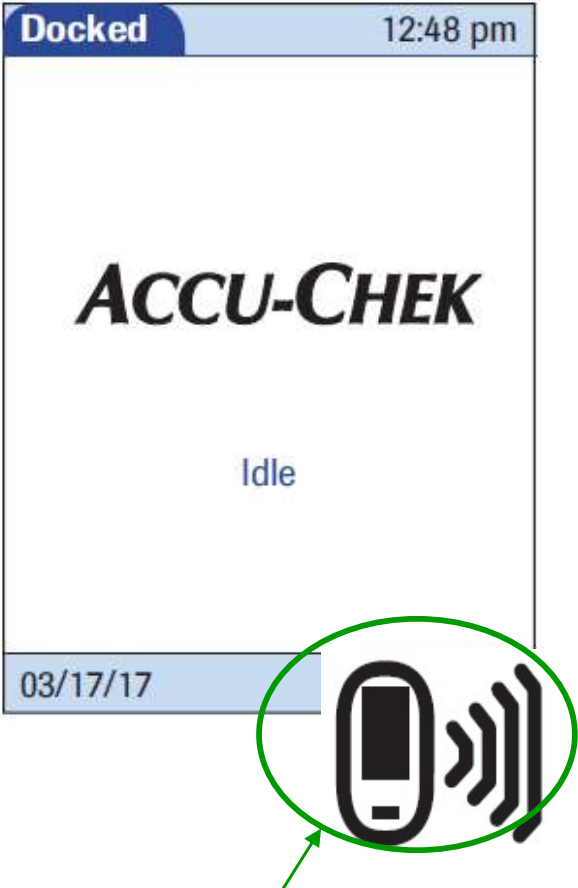
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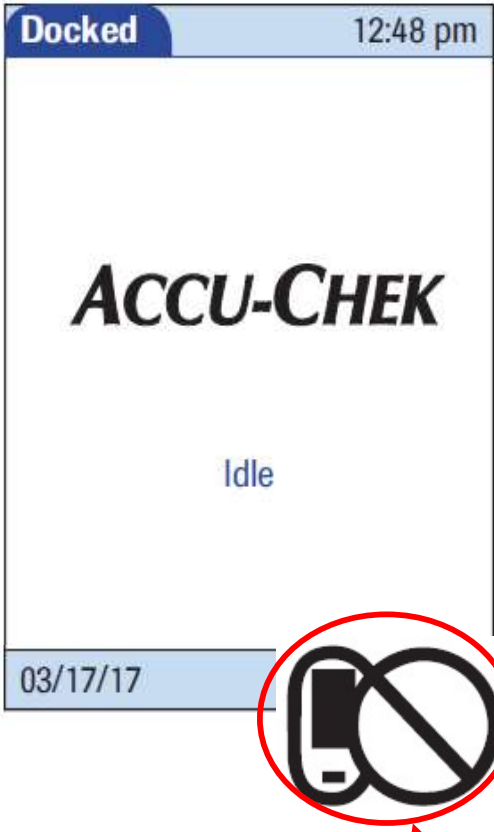
Docking the Meter – downloading & uploading data



Transmission Symbol



Last transmission is successful



Last transmission **NOT** successful

Performing Patient Test – Error (insufficient sample)



What to do when Meter show Error Message - Glucose Error, E-1504

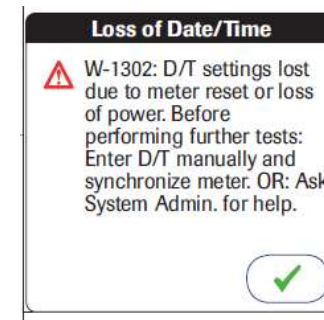
1. Indicates insufficient sample applied to test strip
2. Make sure that finger is completely dry before it is punctured
3. Repeat the test using a new strip

Troubleshooting (Meter not responding/unable to turn on)



How to RESET new meter

1. Place the meter on flat surface.
2. **Press the On/Off button for at least 12 seconds.**
 - Meter powers off and on again.



3. Dock meter back onto Base Unit
4. Run QC

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Maintenance & Care of meter

Cleaning & Disinfecting

- Always clean meter after used.
(Keep meter Dust Free & without Blood Stains)
- Make sure the meter is off.
- Use 70% isopropyl alcohol wipes



Reminder

Do not allow any liquid to get into test strip slot.

This can damage the meter.

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Cleaning of glucometer



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Roche

Performing Patient Test

Importance of proper pre-analytics



Glucose Results				11:18
All	--	02.06.17	--	mmol/L
Time		Rslt	ID	
11:13		5.2	TEST00004	
11:10		8.4	TEST00003	
11:08		19.1	TEST00002	
11:04		5.2	TEST00001	

Thorough cleaning with alcohol swab

1x wipe with alcohol swab

After handling of preserved plums

Establishment of Baseline result

DISCREPANT RESULTS!!

Training Objectives

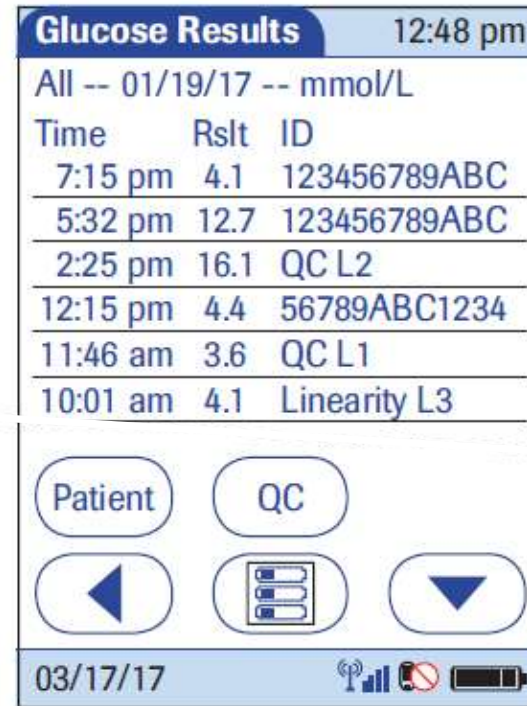
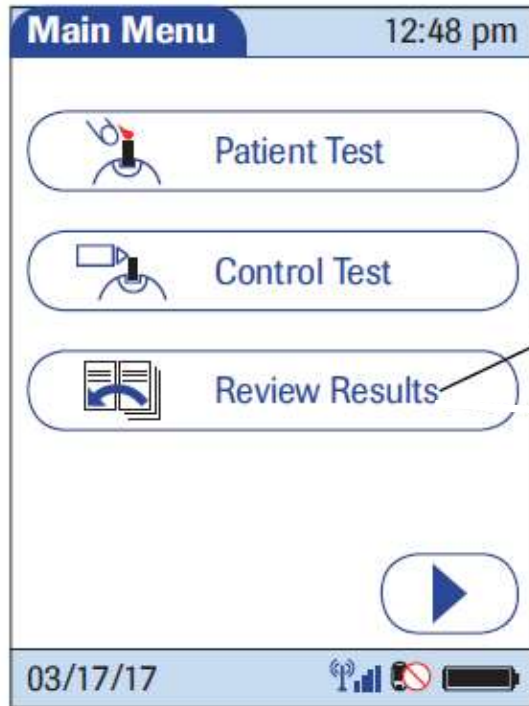
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Main Menu – Reviewing Results



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6. **Maintenance & Care**



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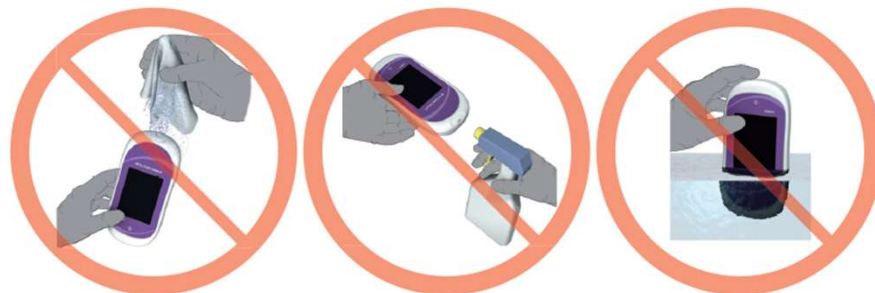


Maintenance & Care of meter: Do's & Don't

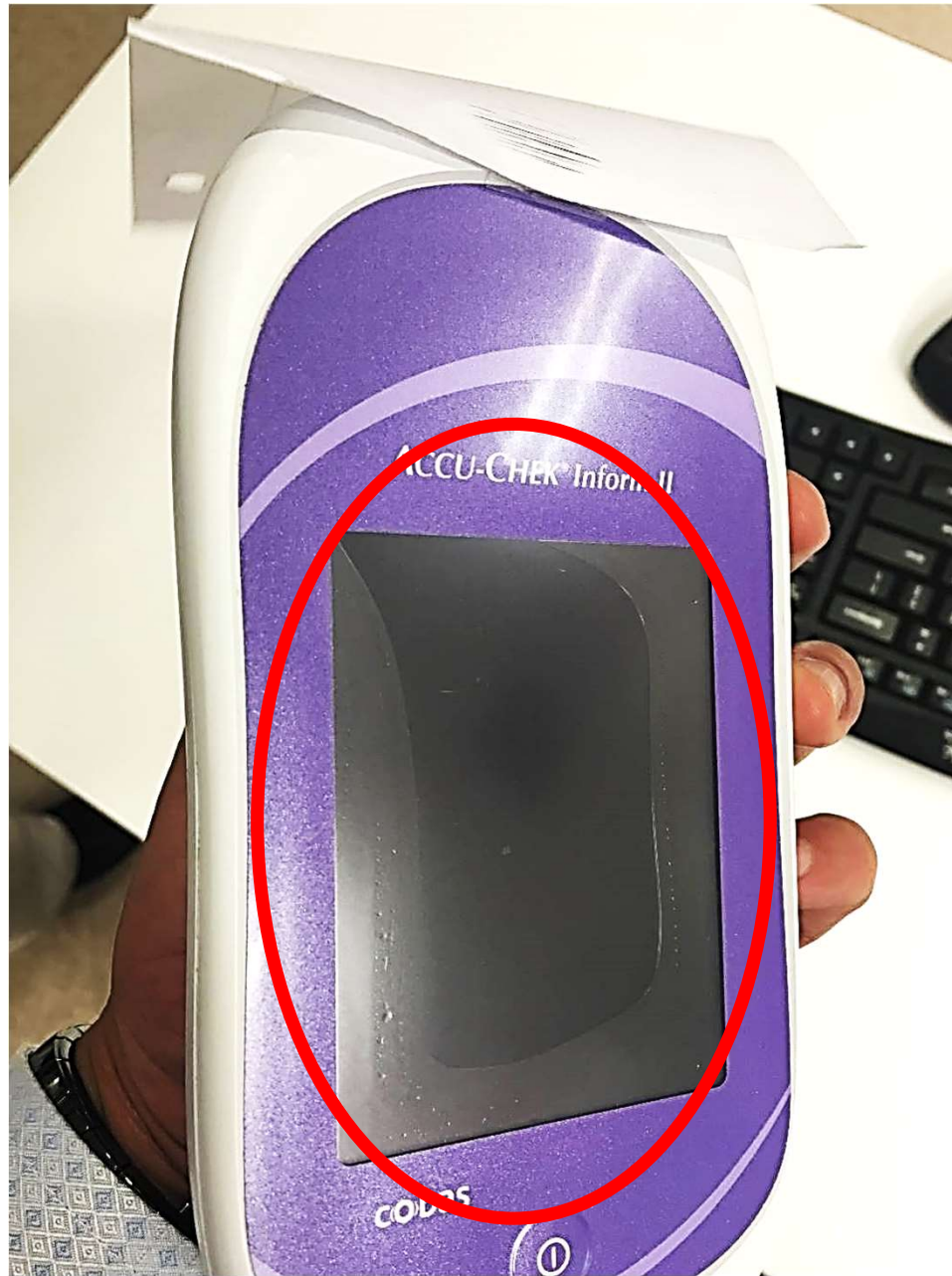
- **DO** protect the base unit & meter from dripping liquid
- **DO** handle the meter with care.
- **DO NOT** expose the meter to sources of **excessive heat**.
- **DO NOT** get any **moisture**, liquid or blood in the test strip slot
- **DO NOT** **spray** any cleaning solution directly on the meter
- **DO NOT** use sharp object to press on the touch screen
- **DO NOT** drop or bang it

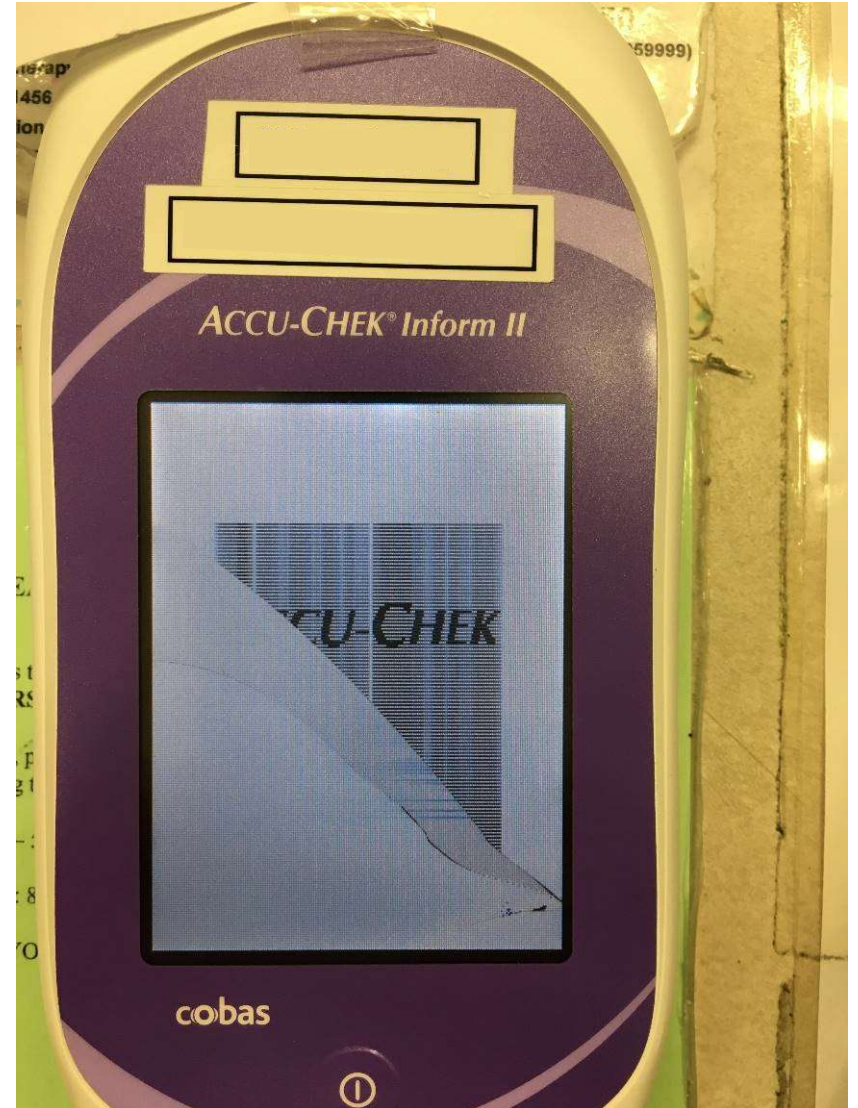


Each meter costs abt. \$2,500



**The meter is
NOT
“waterproof”!**





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Correct meter position when applying blood



Blood may accidentally drip into test strip slot



Blood will not drip into test strip slot

Remarks: Please follow your hospital infection control protocol when handling blood

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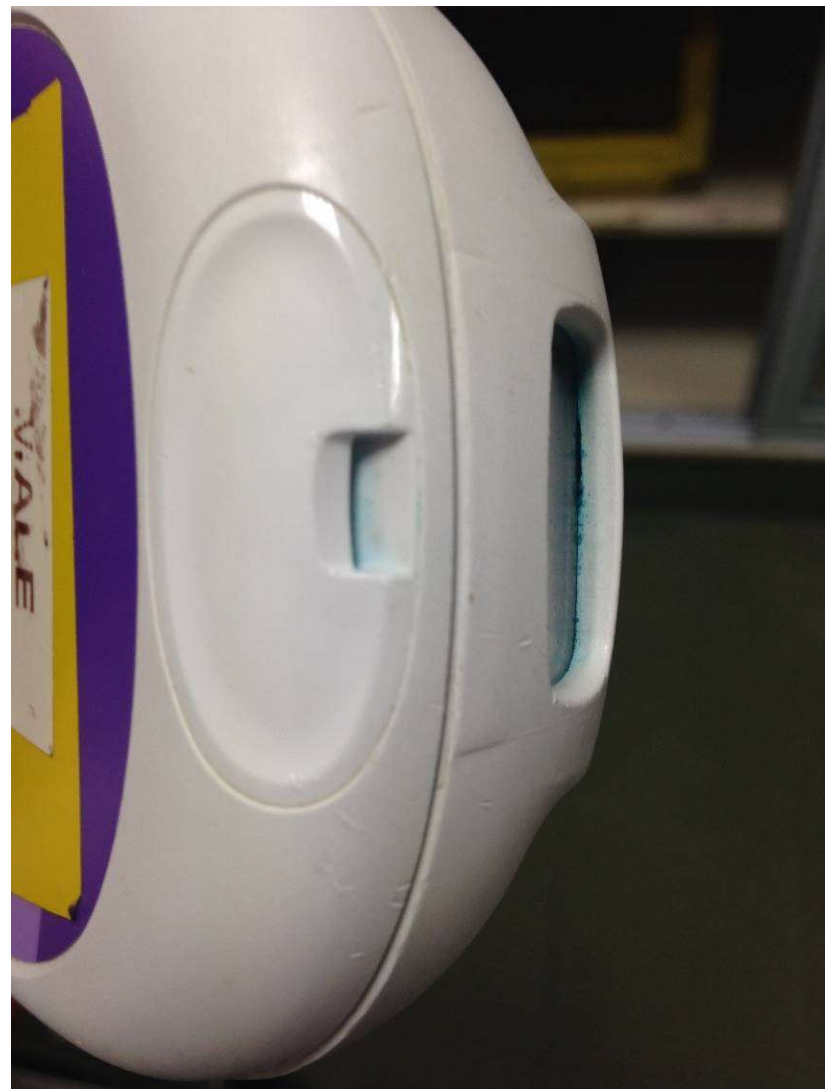
Correct meter position when applying control solution

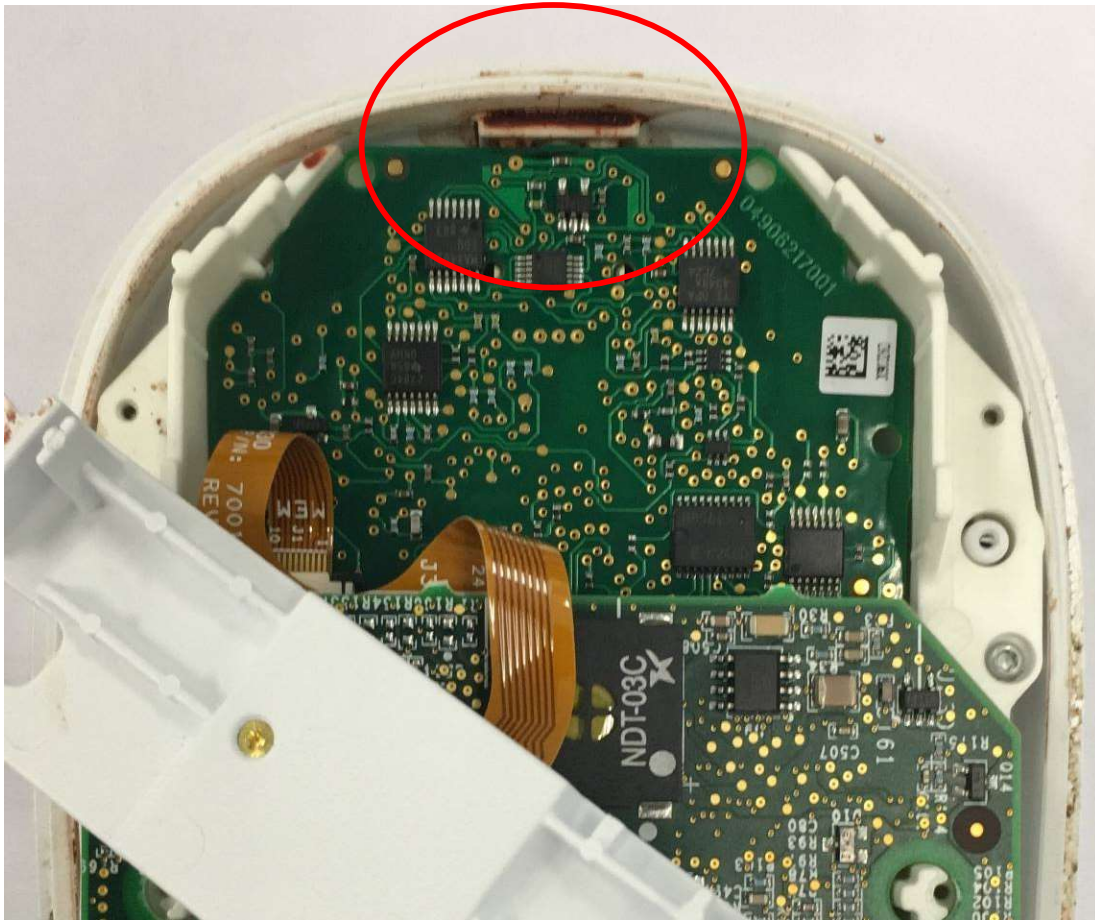


Control Solution may accidentally drip into test strip slot



Place meter level to/above the QC solutions



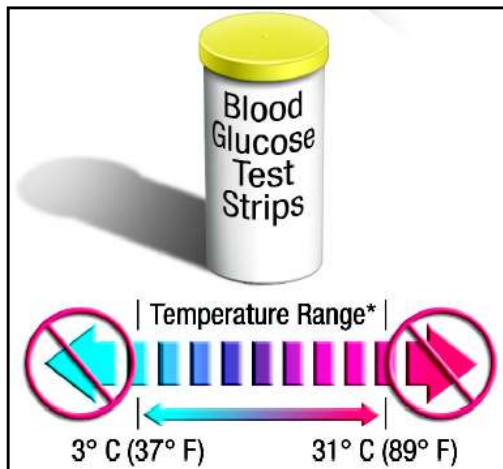


Proper storage and handling of test strips



Always put the cap back on the bottle tightly and immediately.

Keeping test strips tightly sealed in the bottle helps maintain integrity, dry and accurate through their expiration date.

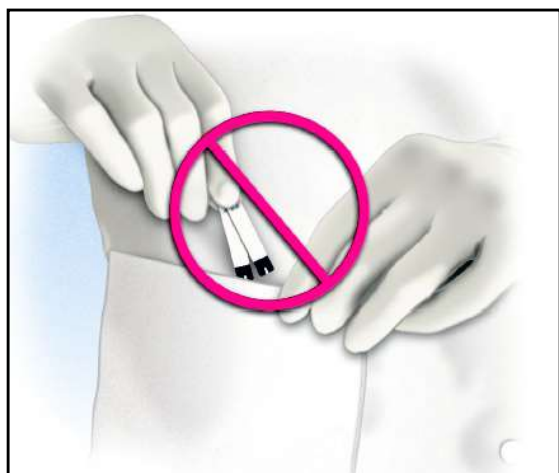


Keep strips away from heat, cold and humidity

Humid air, very hot or cold temperatures can degrade the enzymes used in test strips over a long period of time.

Always use and store the test strips in a dry location and at normal room temperature.

Proper storage and handling of test strips



Store test strips in their original bottle.

Blood glucose test strips are packaged in a bottle that contains a special material (desiccant) to keep the test strips dry and effective.

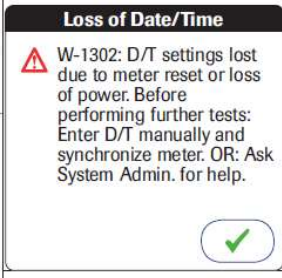
Never carry loose test strips in your pocket.

Always protect them by storing them in the original container with the cap closed.

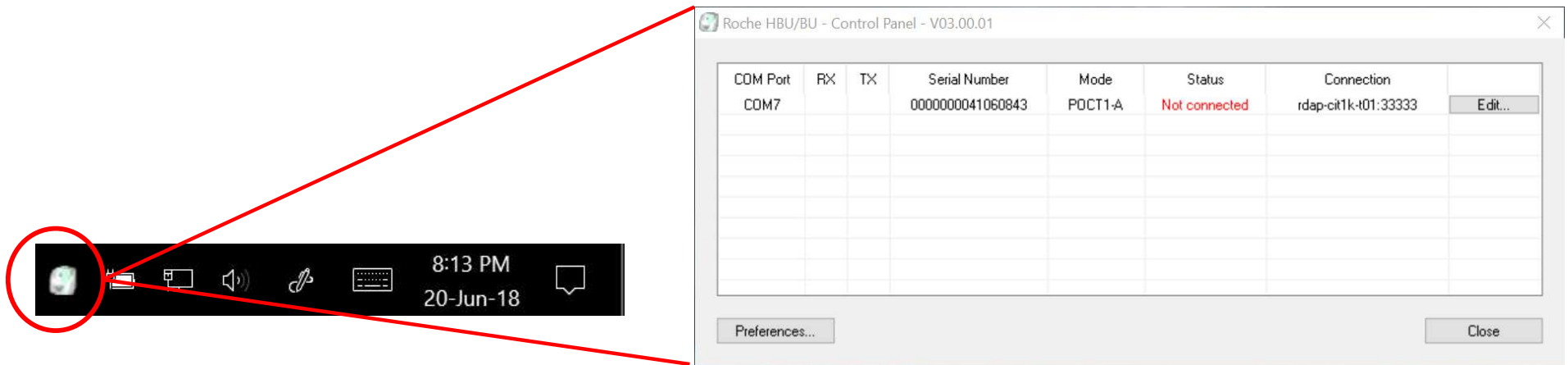
Conduct the blood glucose immediately after taking a test strip out of the container.

(within 3 mins)

Common Errors and Troubleshooting


Common Errors	Troubleshooting Steps
<p>Meter screen blacked out / meter non-responsive</p>	<p>Reset the meter by pressing and HOLDING on the On/Off button for at least 12 seconds and release the button</p>  <ul style="list-style-type: none"> - Message appears when meter boots up - Dock meter to synchronize - Perform QC
<p>QC out of range Level 1: 1.7 – 3.3 mmol/L Level 2: 14.5 – 19.6 mmol/L</p>	<ol style="list-style-type: none"> 1. Check that the correct level has been used (Transposition error!) 2. Check that the QC solution is not expired 3. Wipe the tip of the QC solution bottle 4. Repeat QC test
<p>QC Test function greyed out / Download lockout warning</p>	<ol style="list-style-type: none"> 1. Ensure that the Base Unit light is Green 2. Troubleshoot the Base Unit if necessary 3. Dock the meter and ensure that it synchronizes

Troubleshooting Transmission Issues



What can you do when Red light flashing / meter show



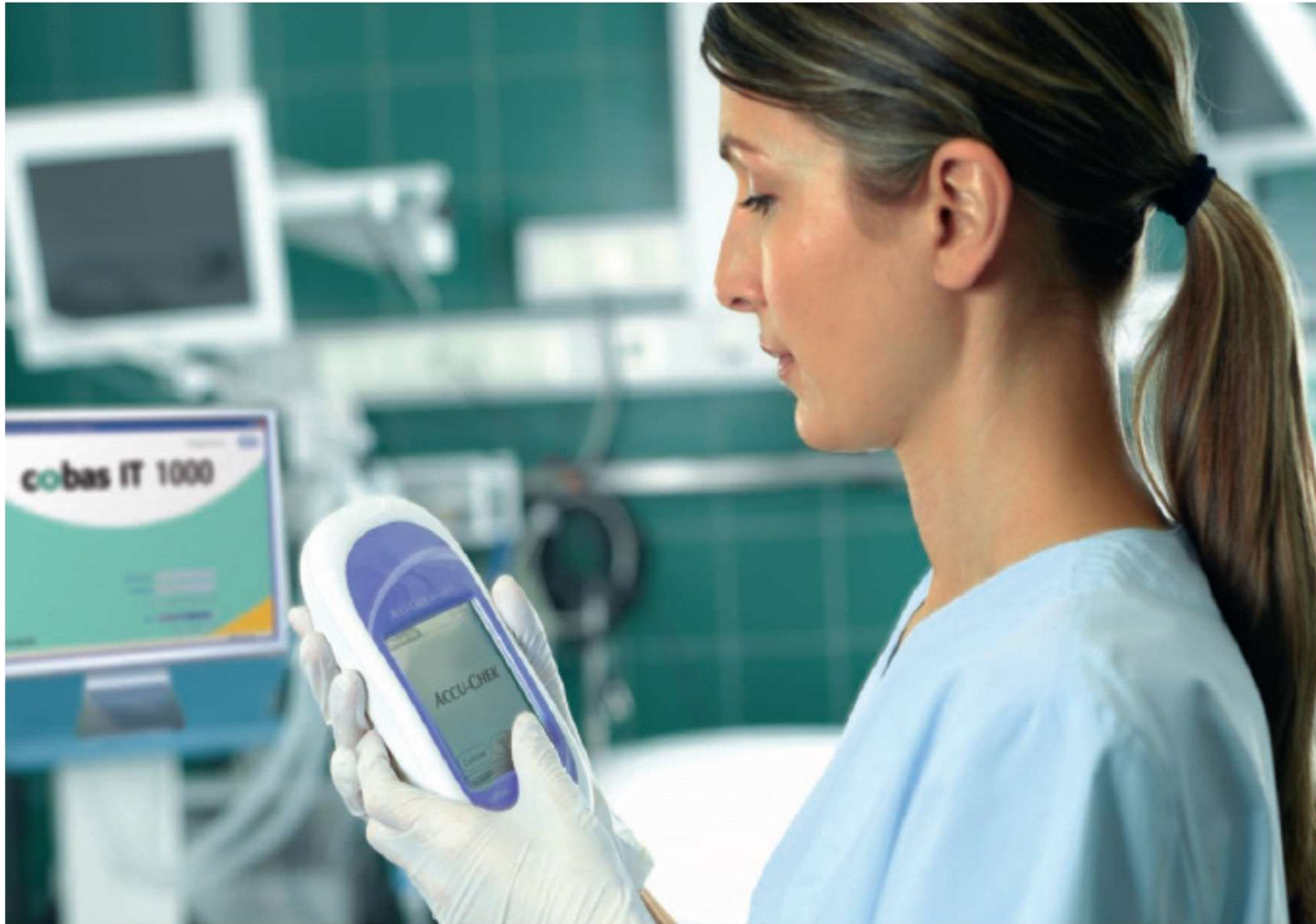
1. Check the **USB connection** to the PC is secured.
2. Check if connected PC has client software (**ROCHE HBU/BU - Control Panel – V03.00.01**), and that the Base Unit is connected – call ITD to install if not present
3. **Reboot the Base Unit** by turning off/on the power supply & wait till **Green Light** appears, then re-dock meter to allow data synchronization.
4. If  persist, then **reboot PC** & re-dock the meter.

If problem still persists, dock the meter in another Base Unit for transmission while reporting the problem.



Opened Date: 16/3/2017
Discard Date: 16/3/2017

Pic Taken on 1/2/2017



Questions?

***Doing now what patients need
next***