

## Protocol I: User Maintenance

Equipment	<b>GLUCOMETER, blood glucose monitor (Nova StatStrip)</b> ELAEGBLUE2--
Responsible	<b>Medical staff</b>



**WARNING** – Always use a new lancet each time you test - lancets are for single use only!

### A Check general condition

Frequency	Every day
Tools	None
Parts	None
Duration	2 min

- 1** Check the general condition of the equipment. Replace or repair the device if it is damaged:
  - Check the casing for cracks.
  - Check the proper function of the buttons.



### B Clean the device

Frequency	After every use
Tools	Lint-free cloth, Surfanios*
Parts	None

- 1**
  - Check that the glucometer is turned off, or wait until it turns off automatically
  - Clean the surfaces with a moist cloth and Surfanios\* solution.
  - Let air-dry



**CAUTION:** Do not submerge or spray liquids directly on the device. Do not hold the device under running water. Spray the disinfectant **on a cloth**. Ensure that the cloth is moist but not dripping.

\* In countries with import restrictions an equivalent local product (validated by the HQ Hygiene Referent) may be used.

## C Verify using QA solution

**Frequency** Weekly, or if unexpected results are given, or if the meter is dropped.

**Tools** Glucose test strip (ELAEGLOT201) and control solutions (ELAEGLOT211, ELAEGLOT212, ELAEGLOT213)

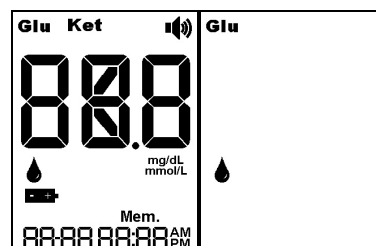
**Parts** None

**Duration** 5 min

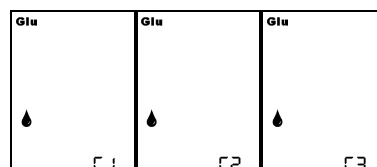
- 1 • Insert a **glucose test strip** into the meter. All segments of the screen will display for 2 seconds (see picture). Then a flashing blood drop will display



**CAUTION:** If strip is removed before the test starts or is not used for over 2 minutes, the screen will go blank.



- Use the Left or Right button to identify the sample as a control, find the desired control level: C1, C2, or C3. These levels correspond to the level of the solution (Low, Normal, High)



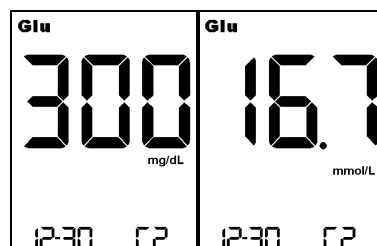
- Touch the end of the test strip to a drop of **glucose quality control solution or glucose linearity/proficiency solution** until the test strip fills and the meter beeps.



**CAUTION:** Be sure to use the control solution which corresponds with the control level selected:  
C1 = Low, C2 = Normal, C3 = High

- 2 • Verify that the results (which show up after 6 seconds) is the one displayed in the figure for C2 (normal): 300mg/dl or 16.7 mmol/l

**NOTE:** Three short beeps indicate that the value is outside the test range



**NOTE:** in case no control solution is available, the accuracy can be checked by comparing the results given by multiple glucometer for the same blood sample.