

Nova StatStrip® Glucometer Maintenance and Cleaning Procedure


Purpose:

This procedure provides instructions for how to perform routine maintenance tasks on the Nova StatStrip® Glucose Hospital Meter System.

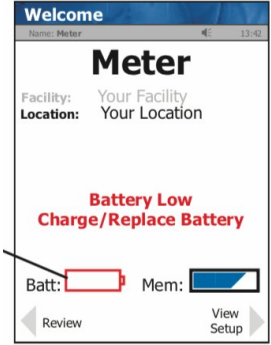


Generally, the meter requires very low maintenance:

- A. Battery charging
- B. Battery replacement
- C. Surface cleaning and disinfection

Procedure A: Charging the Nova StatStrip® Glucose Meter

	Action	Related Documents Title Number
1.	<p>The typical life of fully charged battery is 8 hours or 40 tests when the meter is not docked.</p>  <p>Wireless connectivity depletes battery charge quicker when the meter is not docked, cutting its life to approximately 3 hours.</p>	
2.	<p>Always check the battery level prior to testing. Wake the meter from Standby by touching the screen.</p>	
	IF	THEN

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Action		Related Documents Title Number
<p>The Battery Low symbol displays on the screen</p> 	<p>Dock the meter.</p> 	
<p>Meter is not in use</p>	<p>Dock the meter.</p>	
<p>Meter is urgently needed, battery is depleted and a fully-charged spare battery is available</p>	<p>Change the battery to keep using the meter. See Procedure B.</p> <p>Place the depleted battery on the back portion of the docking station to charge.</p> 	

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Procedure B: Replacing the Nova StatStrip® Glucose Meter Battery

	Action	Related Documents Title Number
1.	The meter has no OFF/ON button. When replacing the battery, simply turn the meter to its back side to access the battery cover latch.	
2.	Pull back on the cover latch to release the cover.	 <p>Cover Latch</p>
3.	Push up on the battery latch and take the battery cover off the back of the meter.	

Action		Related Documents Title Number
<p>4. Replace with a fully charged battery.</p> <p>NOTE: The battery is keyed to only allow insertion from bottom first then push in top.</p>	 <p>This Contacts to This</p>	
<p>5. Replace the battery cover.</p>		
IF	THEN	
Replacing a drained battery	Place the drained battery into the spare battery slot in the Docking/Charging Station.	
Replacing a damaged battery	Dispose of the damaged battery to the used battery collection point in the ward or department.	
<p>6. Power up the meter to check it is working properly.</p>		
IF	THEN	
Battery change took ≤20 seconds	Proceed to the next step	
Battery change took >20 seconds and date/time settings were lost	Power up the meter and place in the docking station to automatically download the current date/time settings. Then, proceed to the next step.	

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	Action	Related Documents Title Number
7.	Run Level 1 and Level 3 QCs on the meter. Once the QCs pass, the meter is ready for patient testing.	

Procedure C: Cleaning and Disinfecting the Nova StatStrip® Glucose Meter

IMPORTANT NOTES:

1. Clean and disinfect the meter daily after running QC and after each patient use.
2. Cleaning is the physical removal of dirt and organic matter from the meter surface.
3. Disinfection refers to the process of killing or preventing the growth of disease-carrying microorganisms.
4. Do NOT immerse the meter or hold the meter under running water. Do not spray any liquid into the Strip Port area.
5. Do NOT spray the meter directly with a disinfectant solution.

	Action	Related Documents Title Number
1.	Perform hand hygiene and don clean gloves.	
2.	Gather the materials needed. Use Accelerated Hydrogen Peroxide (AHP) wipes such as Accel Intervention to clean and disinfect the meter. NOTE: CaviWipes is also an acceptable cleaning/disinfecting agent.	
3.	Make sure the test strip is removed from the meter. Lay the meter on a flat surface.	

	Action	Related Documents Title Number
4.	<p>Clean the meter:</p> <ul style="list-style-type: none"> a. Remove a fresh AHP wipe from the canister. b. Squeeze out excess moisture from the AHP wipe before meter surface application. c. Wipe the entire external surface of the meter to remove gross dirt. d. Ensure moisture does not enter the device open ports. e. Discard the used wipe into a biohazard waste container. 	
5.	<p>Disinfect the meter:</p> <ul style="list-style-type: none"> a. Remove a second fresh AHP wipe from the canister. b. Squeeze out excess moisture from the AHP wipe. c. Using the new fresh AHP wipe, thoroughly wipe the surface of the meter (top, bottom, left and right sides) a minimum of 3 times horizontally followed by 3 times vertically avoiding the bar code scanner and electrical connector. d. Gently wipe the surface area of the test strip port making sure that no fluid enters the port. e. Observe surface contact time by ensuring that the meter surface stays wet for 1 minute and is allowed to air dry for an additional 1 minute. f. Discard the used wipe into a biohazard waste container. 	
6.	Remove gloves and perform hand hygiene.	

References:

1. Nova Biomedical. StatStrip Glucose Hospital Meter System: Instructions for Use Manual. REF 55848. September 2018.
2. Nova Biomedical. StatStrip® Operator Training Program slide presentation.

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Revision Log

Version	Description of Change	Revised By	Revision Date
1.00	<ul style="list-style-type: none"> New document 	Julieto Tumulak	Feb 15, 2021

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