

9 Maintenance and Care

Conditions for storage and shipping

Storage

- Store the system and test strips in the same environment in which they are used.
- Do not store the meter in direct sunlight or under extreme temperature conditions.
- Observe the limits for temperature and humidity when storing and using the meter (see Chapter 11).

Shipping



Observe the following safety information when shipping the meter and battery pack. Failure to do so may result in injury to persons or damage to the meter or battery pack.

- If the meter has to be shipped or transported over long distances, always remove the battery pack from the meter. This eliminates the possibility of the battery pack overheating due to a short-circuit. It also prevents deep discharge and other damage to the battery pack or meter.
- Only ship undamaged battery packs. Damaged battery packs must be disposed of locally. See page 18 for the risks associated with damaged battery packs and disposal information.
- Package the battery pack for shipping so that it cannot move around in the packaging. Also observe any other applicable national regulations.
- When shipping via third parties (e.g., by air or parcel service), work with the carrier to check whether specific requirements need to be met in relation to the lithium-ion battery packs on the basis of national or international laws on hazardous goods and, where applicable, if special packaging and labeling requirements apply.

For short distances - example between a facility's sites - users may transport the battery packs (either installed in the meter or separately) by road without having to meet further requirements.

Cleaning and disinfecting the meter



- Observe the disinfection guidelines of your institution.
- Use gloves.

NOTICE

Follow the procedures below to clean/disinfect the meter. Failure to follow these procedures may cause malfunction of the meter.

- Make sure the meter is powered off.
- Do not spray anything onto the meter and do not immerse it in liquid.
- Ensure that cloth or swab/bud is only damp, not wet, to protect against moisture entering the meter.

Acceptable cleaning/disinfecting agents

Acceptable active ingredients and products for cleaning and disinfecting are:

- Super Sani-Cloth® Germicidal Disposable Wipes (EPA¹ reg. no. 9480-4). Premoistened disinfecting cloths (active ingredient 0.5% quaternary ammonium chlorides and up to 60% isopropanol)
- 70% ethanol or isopropyl alcohol

Only one cleaning/disinfecting solution should be used on the device as the effect of using more than one cleaner/disinfectant interchangeably has not been evaluated.

NOTICE

Do not use any other disinfectants/cleaning solutions on the meter (housing, test strip guide and test strip guide cover). Use of other disinfectants/cleaning solutions could result in damage to the meter.

- To purchase approved disinfecting products please refer to your facility's guidelines, which may include instructions on direct purchase from the manufacturer or through an approved distributor. Refer to manufacturer's website <http://www.pdpdi.com/> for additional information on Super Sani-Cloth® Germicidal Disposable Wipes and availability for purchase.
- Dispose of acceptable cleaning and disinfection solutions per facility guidelines.

1. Environmental Protection Agency

Cleaning the exterior (meter housing)

Ensure that the blue test strip guide cover remains tightly closed while cleaning the meter housing.

Do not let liquid accumulate near any opening. Ensure that no liquid enters the meter.



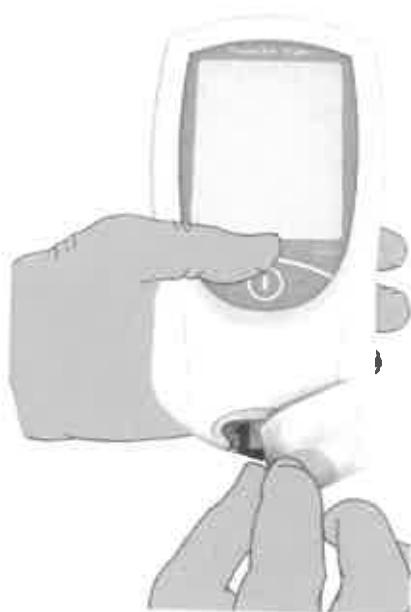
- 1 Place the meter on a level surface prior to cleaning.
- 2 Power off the meter.
Be certain that solutions contain acceptable active ingredients for cleaning the system. When using commercially available pre-moistened cleaning cloths, **squeeze off excess cleaning solution** or blot on a dry paper towel to remove any excess cleaning solution before cleaning the surface of the meter.
- 3 Gently wipe the outside of the meter and carefully around the test strip guide area, making sure that no liquid enters the test strip guide and then wipe dry with a tissue.
- 4 With a fresh dry cloth or lint-free tissue, wipe away residual moisture and fluids after cleaning the housing.
- 5 Allow wiped areas to **dry for at least 10 minutes** before performing a test.

Cleaning the test strip guide and test strip guide cover

Be certain that solutions contain acceptable active ingredients for cleaning the system. When using commercially available pre-moistened cleaning cloths, **squeeze off excess cleaning solution** or blot on a dry paper towel to remove any excess cleaning solution before cleaning the surface of the meter.



- 1 With the meter powered off, remove the test strip guide cover to clean it. (Use your thumbnail to open the cover of the test strip guide by pressing its front edge upward.) Move the cover safely away from the meter. Then wipe it clean using the recommended cleaning/disinfecting agents. Let the test strip guide cover dry **for at least 10 minutes** before re-attaching it.



- 2 Hold the meter upright with the test strip guide facing down.
 - Clean the easily accessible white areas of the test strip guide with a Super Sani-Cloth Germicidal Disposable Wipe or a moistened cotton swab/bud when using 70% ethanol or isopropyl alcohol.
 - Ensure that cloth or swab/bud is only damp, not wet. Wipe away residual moisture and fluids.
 - Use a fresh cloth or bud/swab to clean the test strip guide by gently wiping the easily accessible white areas, making sure that no liquid pools into the test strip guide.

NOTICE**Damage to the instrument**

- Ensure that no liquid enters the meter. If moisture enters the meter, it may cause malfunction of the instrument.
- Do not insert any objects in the test strip guide. Doing so may damage the electrical contacts behind the test strip guide.

On completion of cleaning:



- 3 With the cover off, let the test strip guide dry for **at least 10 minutes**.
- 4 After this time, re-attach the test strip guide cover to the housing. Make sure that the cover is properly closed. You will hear it snap into place.

Disinfecting the test strip guide and test strip guide cover

NOTICE

The test strip guide should be cleaned prior to each disinfection step.

Be certain that solutions contain acceptable active ingredients for disinfecting the system. When using commercially available pre-moistened disinfecting cloths, **squeeze off excess disinfecting solution** or blot on a dry paper towel to remove any excess disinfecting solution before disinfecting the surface of the meter.



- 1 With the meter powered off, remove the test strip guide cover to disinfect it. (Use your thumbnail to open the cover of the test strip guide by pressing its front edge upward.) Move the cover safely away from the meter.
- 2 Use the recommended cleaning/disinfecting agents using a fresh cloth or bud/swab to disinfect the test strip guide cover by gently wiping the easily accessible areas **three times horizontally and three times vertically**.
- 3 Allow the surface of the test strip guide cover to remain damp with the recommended disinfecting solution. The required contact time is as follows: Super Sani-Cloth Germicidal Disposable Wipe, a **2-minute contact time**. When using 70% ethanol or isopropyl alcohol, apply the solution for a **contact time of greater than 1 minute** (refer to the ethanol or isopropyl alcohol product labeling).

NOTE: The test strip guide cover surface must stay moist for the entire contact time.

Let the test strip guide cover dry **for at least 10 minutes** before re-attaching it.

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Disinfecting the exterior (meter housing)

NOTICE

The meter should be cleaned prior to each disinfection step.

Remember to keep the meter on a level surface prior to disinfecting and powered off. Be certain that solutions contain acceptable active ingredients for disinfecting the system. When using commercially available pre-moistened disinfecting cloths, **squeeze off excess disinfecting solution** or blot on a dry paper towel to remove any excess disinfecting solution before disinfecting the surface of the meter.



- 1 Use the recommended cleaning/disinfecting agents to disinfect by gently wiping the outside of the meter **three times horizontally and three times vertically** and carefully wipe around the test strip guide area, making sure that no liquid enters the test strip guide.
- 2 Allow the surface of the meter to remain damp with the recommended disinfecting solution. The required contact time is a **2-minute contact time for the Super Sani-Cloth Germicidal Disposable Wipe. When using 70% ethanol or isopropyl alcohol, apply the solution for a contact time of greater than 1 minute (refer to the ethanol or isopropyl alcohol product labeling).**

NOTE: Meter surface must stay moist for the entire contact time.

- 3 With a fresh dry cloth or lint-free tissue, wipe away residual moisture and fluids after disinfecting the housing.
- 4 Allow wiped areas to **dry for at least 10 minutes** before performing a test.



- 4 With the test strip guide cover off and holding the meter upright with the test strip guide facing down, use a fresh cloth or bud/swab to disinfect the easily accessible white areas of the test strip guide by gently wiping the easily accessible white areas **three times horizontally and three times vertically**, making sure that no liquid pools into the test strip guide.
- 5 Allow the surface of the test strip guide to remain damp with the recommended disinfecting solution. The required contact time is as follows: Super Sani-Cloth Germicidal Disposable Wipe, a **2-minute contact time**. When using 70% ethanol or isopropyl alcohol, apply the solution for a **contact time of greater than 1 minute** (refer to the ethanol or isopropyl alcohol product labeling).

NOTE: The test strip guide surface must stay moist for the entire contact time.

- 6 Let the test strip guide dry **for at least 10 minutes** before re-attaching the test strip guide cover.
- 7 After this time, re-attach the test strip guide cover to the housing. Make sure that the cover is properly closed. You will hear it snap into place.