

Assure[®] Titanium

BLOOD GLUCOSE MONITORING SYSTEM



ARKRAY TECHNICAL BRIEF

Cleaning and Disinfecting Procedure

To minimize the risk of transmitting bloodborne pathogens like Hepatitis B (HBV), Hepatitis C (HCV), and Human Immunodeficiency Virus (HIV), it is essential to follow proper cleaning and disinfecting procedures for the Assure Titanium BGMS.

The Assure Titanium BGMS is designed for use with multiple patients in professional healthcare settings provided standard infection control precautions and the manufacturer's cleaning and disinfecting procedures are strictly followed.

ARKRAY recommends cleaning and disinfecting after each use to ensure compliance with CMS guidelines and facility policy including when the BGMS is assigned to an individual patient and not shared.

2-Step Cleaning and Disinfecting Procedure

This process ensures removal of contaminants and elimination of bloodborne pathogens.

Step 1: Cleaning ➔ Step 2: Disinfecting

This step removes dirt, blood, and other bodily fluids from the meter's exterior.

This step prevents the transmission of bloodborne pathogens.

Note: To ensure both steps are effectively performed, **two wipes are required** for each cleaning and disinfecting procedure. The first wipe cleans the meter, and the second wipe disinfects it.

Approved Cleaning and Disinfecting Wipe

Only wipes with the following EPA registration number have been validated for use with the Assure Titanium meter:








Professional Disposables International, Inc. (PDI): Super Sani-Cloth[®] Germicidal Disposable Wipe (EPA #9480-4)

Active ingredients: n-Alkyl (68% C₁₂, 32% C₁₄) dimethylethyl benzyl ammonium chlorides: 0.25 %; n-Alkyl (60% C₁₄, 30% C₁₆, 5% C₁₂, 5% C₁₈) dimethyl benzyl ammonium chlorides: 0.25%; isopropyl alcohol: 55.0%

Important: Using wipes not listed above may shorten the meter's lifespan or affect its performance. If you choose to use an unlisted wipe, ensure you create supporting documentation to justify your choice.

Cleaning and Disinfecting Instructions

1. Wear appropriate Personal Protective Equipment (PPE), including disposable gloves.
2. Secure the data port cover to prevent fluids from entering the meter.
3. Open the disinfectant package and pull out one towelette. Close cover. Squeeze out excess liquid from the towelette if needed.
4. Hold the meter with the test strip port facing down to guard against liquid entering this port.
5. Wipe the entire surface of the meter three times horizontally and three times vertically to clean blood and other body fluids from the meter.
6. Dispose of the used towelette.
7. Repeat the above steps with a new towelette to disinfect the meter.
8. It is essential that meter surface remains wet for the contact time specified by the manufacturer. Do not wrap meter with wipe.
 - The disinfectant countdown timer (dct) can be set to monitor a 2-minute contact time.
 - Press and hold  or  for three seconds to activate the dct.
 - Press  or  to select the appropriate timer (1, 2, 3, 4 or 5 minutes).
 - For PDI® Super Sani-Cloth® Germicidal Disposable Wipes, set the timer for 2 minutes. Press  to start the countdown timer.
 - The meter will beep two times at the end of the countdown and shut off automatically.
9. Once the contact time is complete, wipe the meter dry with a clean paper towel.

CAUTION: Avoid allowing moisture to enter the test strip port, data port, or battery compartment, as this could damage the meter.

CMS F-Tag 880 and Blood Glucose Monitoring

F-Tag 880 is an interpretive guideline for infection control programs in long-term care facilities. It emphasizes preventing, recognizing, and controlling the onset and spread of infection. F-Tag 880 applies to all resident care equipment and environmental surfaces, including blood glucose meters.

Non-compliance with F-Tag 880 regarding meter cleaning and disinfection can result in citations.

More information is available at

<http://www.cdc.gov/injectionsafety/blood-glucose-monitoring.html>

Further Information

For step-by-step instructions on cleaning and disinfecting the Assure Titanium Blood Glucose Meter, consult the Assure Titanium Quality Assurance, Quality Control (QA/QC) Reference Manual or the Assure Titanium User Manual.

Contact ARKRAY Technical Customer Service at 800.818.8877, option 5, for any questions.