

Cleaning and disinfecting your PET/CT, SPECT/CT and SPECT systems

To make it easier for you and your staff, we have consolidated the cleaning and disinfecting instructions for all Philips computed tomography systems in one convenient place. We hope this reference helps you to have the information you need readily at your fingertips.

Find the name of your PET/CT, SPECT/CT or SPECT system in the table of contents on the right and **click to go to the page of instructions specific to that system**. As always, please refer to your particular system's Instructions for Use or Technical Reference Guide for additional information.

Table of contents

PET/CT, SPECT/CT or SPECT system

Philips Vereos Digital PET/CT	2
Philips BrightView family	3
Philips Precedence	4
Philips Forte JETStream	6
Philips SKYLIGHT	7
Philips CardioMD IV	8

Philips Vereos Digital PET/CT

Cleaning and disinfecting of the system

Cleaning is the removal of visible soil (for example, organic and inorganic material) from objects and surfaces and normally is accomplished manually or mechanically using water with detergents or enzymatic products. Thorough cleaning is essential before disinfection because inorganic and organic materials that remain on the surfaces of instruments interfere with the effectiveness of these processes.

Disinfection should follow recommendations for low- to intermediate-level disinfection as defined in CDC guidance www.cdc.gov/hicpac/pdf/guidelines/disinfection_nov_2008.pdf. The system surfaces are noncritical surfaces and are disinfected with low- to intermediate-level disinfectants.

Use a commercial biocide approved by your governing authority to clean the surface of the system including the console, gantry, table and accessories.

The following materials can be used for cleaning and disinfection

- 1:10 bleach equivalent spray cleaner or wipes
- Low- or intermediate-level disinfectant germicidal wipes or liquid
- 3% hydrogen peroxide
- Ethanol
- Petroleum gases: liquefied, sweetened
- Quaternary ammonium compounds
- Benzyl-C12-18-alkyldimethyl
- Salts with 1,2-benzisothiazol-3(2H)-one 1,1-dioxide (1:1)
- Distilled water
- Methylated spirit
- Bleach and water solution or disinfectant wipes at ratios of up to 1:10

When cleaning the front and rear covers on the scanners, cover the microphones to avoid leaking the cleaning solution inside.

When cleaning the buttons and the inside of the gantry opening, take care to avoid leaking the cleaning solution inside.

Blood and contrast medium are health risks. Take appropriate health and safety precautions when removing blood or residual contrast medium.



Caution

Do not use detergents or organic solvents to clean the system. Strong detergents, alcohol and organic cleaners may damage the finish and also cause structural weakening.

Philips BrightView family

Cleaning and disinfecting of the system

Plastic and metal system components

Moisten a soft, static-free cloth with a non-abrasive cleaning agent and wipe the exterior surfaces. While cleaning the plastic and metal system components, observe the following precautions.

- Do not spray aerosols or liquids on the imaging system equipment.
- Do not use solvents or abrasives on the imaging system equipment.
- Do not clean the internal components of the imaging system.



Caution

If a spill occurs and liquid enters the gantry, imaging table or acquisition equipment, turn the system power off and contact Philips Customer Support.

Touchscreen monitor housing

Use a cloth lightly dampened with a mild detergent. While cleaning the touchscreen monitor housing, observe the following precautions.

- Do not use alcohol (methyl, ethyl or isopropyl) or any strong solvent. Do not use thinner or benzene, abrasive cleaners or compressed air.
- To avoid risk of electric shock
 - Always unplug the monitor from the power outlet before cleaning.
 - Do not disassemble the AC adaptor or monitor; this unit is not user-serviceable.

Touchscreen

Apply window cleaner or glass cleaner on a clean, soft cloth and gently wipe the touchscreen. While cleaning the touchscreen monitor housing, observe the following precautions.

- Never apply the cleaner directly on the touchscreen.
- Do not wipe the screen with a cloth or sponge that could scratch the surface.
- Avoid getting liquids inside your touchscreen. If liquid does get inside, turn the system power off and contact Customer Support before you power on the system again.

Flat panel X-ray detector (FPD)

To clean the FPD, follow the directions for cleaning the touchscreen as described in the previous section.

Imaging table

Clean the imaging table using a disinfectant in accordance with your site protocol.

***IMPORTANT* Philips recommends that you clean and disinfect the imaging table after every patient.**

Patient comfort accessories

Clean the patient comfort accessories using a disinfectant in accordance with your site protocol.

Philips Precedence

Cleaning

You can clean the outside of the Precedence imaging system components by doing the following.

- To clean the plastic or metal imaging system components, moisten a soft, static-free cloth with a non-abrasive cleaning agent and wipe the outside of the object.
- To clean the imaging table, use a disinfectant in accordance with your site protocol.



Caution

If a spill occurs and liquid enters the gantry, imaging table or acquisition equipment, the system may become damaged. Turn off the equipment, and then call a Philips Field Service Engineer.

Note the following.

- Do not spray aerosols or liquids on the imaging system equipment.
- Do not use solvents or abrasives on the imaging system equipment.
- Do not clean the internal components of the imaging system.

Care and maintenance of the touchscreen



Warning

To avoid risk of electric shock, do not disassemble the A/C adaptor or display unit cabinet. The unit is not user-serviceable.

- Remember to unplug the display unit from the power outlet before cleaning.
- Do not use alcohol (methyl, ethyl or isopropyl) or any strong solvent. Do not use thinner or benzene, abrasive cleaners or compressed air.
- To clean the display unit cabinet, use a cloth lightly dampened with a mild detergent. Avoid getting liquids inside your touchscreen. If liquid does get inside, contact your Philips Field Service Engineer before you power it on again.
- Do not wipe the screen with a cloth or sponge that can scratch the surface.
- To clean the touchscreen, use window or glass cleaner. Put the cleaner on the rag and wipe the touchscreen. Never apply the cleaner directly on the touchscreen.

Philips Precedence

Routine cleaning of the system components



Caution

Incorrect cleaning may result in equipment damage.

Do not use detergents or organic solvents to clean the system. Strong detergents, alcohol and organic cleaners may damage the finish and also cause structural weakening,

Blood and contrast medium are potentially infectious. Use the proper personal protection and precautions when removing blood or residual contrast medium. Use a commercial biocide, approved by your governing authority to clean the surface of the system including the table, headholders and accessories.

Alternatively, you can also use a solution of bleach and water mixed according to EPA guidelines.

- Standard cleaning requires 500-615 ppm available chlorine.
- Cleaning large amounts of body fluid requires 5,000-6,150 ppm available chlorine.
- When cleaning the inside of the CT component, take care to avoid leaking liquid inside.

Be careful when cleaning buttons and the inside the gantry openings to avoid liquid leaking inside the gantry.

Blood and contrast medium are health risks. Use safety precautions when removing blood or residual contrast medium. If needed, you may use diluted bleach (one part bleach to 10 parts water) to clean blood spills or stains.

Philips Forte JETStream

Cleaning

You can clean the outside of the Forte imaging system components by doing the following.

- To clean the plastic or metal imaging system components, moisten a soft, static-free cloth with a non-abrasive cleaning agent and wipe the outside of the object.
- To clean the imaging table, use a disinfectant in accordance with your site protocol.



Precautions

When cleaning the imaging system equipment, observe the following precautions.

- Do not spray aerosols or liquids on the imaging system equipment.
- Do not use solvents or abrasives on the imaging system equipment.
- Do not clean the internal components of the imaging system.

Caution

If a spill occurs and liquid enters the gantry, imaging table or acquisition equipment, turn off the equipment, and then call a Philips Nuclear Medicine Field Service Engineer.

Care and maintenance of the touchscreen

- To avoid risk of electric shock, do not disassemble the A/C adaptor or display unit cabinet. The unit is not user-serviceable. Remember to unplug the display unit from the power outlet before cleaning.
- Do not use alcohol (methyl, ethyl or isopropyl) or any strong solvent. Do not use thinner or benzene, abrasive cleaners or compressed air.
- To clean the display unit cabinet, use a cloth lightly dampened with a mild detergent.
- Avoid getting liquids inside your touchscreen. If liquid does get inside, contact your Philips Field Service Engineer before you power it on again.
- Do not wipe the screen with a cloth or sponge that could scratch the surface.
- To clean the touchscreen, use window or glass cleaner. Put the cleaner on the rag and wipe the touchscreen. Never apply the cleaner directly on the touchscreen.

Philips SKYLight

Cleaning

You can clean the outside of the SKYLight imaging system components by doing the following.

- To clean the plastic or metal imaging system components, moisten a soft, static-free cloth with a non-abrasive cleaning agent and wipe the outside of the object.
- To clean the SKYTable, use a disinfectant in accordance with your site protocol.



Caution

If a spill occurs and liquid enters the gantry, SKYTable or acquisition equipment, the system may become damaged. Turn off the equipment, and then call a Philips Nuclear Medicine Field Service Engineer.

Note the following.

- Do not spray aerosols or liquids on the imaging system equipment.
- Do not use solvents or abrasives on the imaging system equipment.
- Do not clean the internal components of the imaging system.

Care and maintenance of the touchscreen



Warning

To avoid risk of electric shock, do not disassemble the A/C adaptor or display unit cabinet. The unit is not user-serviceable.

- Remember to unplug the display unit from the power outlet before cleaning.
- Do not use alcohol (methyl, ethyl or isopropyl) or any strong dissolvent. Do not use thinner or benzene, abrasive cleaners or compressed air.
- To clean the display unit cabinet, use a cloth lightly dampened with a mild detergent.
- Avoid getting liquids inside your touchscreen. If liquid does get inside, contact your Philips Field Service Engineer before you power it on again.
- Do not wipe the screen with a cloth or sponge that can scratch the surface.
- To clean the touchscreen, use window or glass cleaner. Put the cleaner on the rag and wipe the touchscreen. Never apply the cleaner directly on the touchscreen.

Philips CardioMD IV

Cleaning

Cleanliness is a prime rule in maintaining the equipment. At least once a month, wipe the external metallic surfaces to remove any foreign material that may have accumulated. Enameled surfaces should be wiped using a clean cloth moistened slightly with a good quality mild cleaner.

Disinfection

It is important that any part of the equipment which comes into direct contact with patients is cleaned and disinfected on a regular basis. This applies particularly to the imaging table and mattress. Once a week, use a mild disinfecting agent such as alcohol or chlorhexidine (2% solution in water) to wipe all surfaces.

