

Cleaning and disinfecting your CT system

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 CT 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.

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Philips Access CT

Cleaning the system

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



Caution

When cleaning the buttons and the inside of the Gantry opening, take care to avoid leaking liquid 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 Brilliance CT Big Bore

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.



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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 CT 6000 iCT and iCT family

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.

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- 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.

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Philips Incisive CT

Cleaning and disinfecting of the system

Cleaning and disinfection are critical to minimize the risks of transmission of infectious agents.

Cleaning is the removal of contaminants. It consists of the removal, usually with detergent and water, of adherent soil (e.g. blood, protein substances and other debris) from the surfaces, crevices, serrations, joints and lumens of a medical device. Disinfection is the process to reduce the number of viable microorganisms. This product is classified as a noncritical device that is intended to contact with intact skin, therefore low- to intermediate-level disinfection is required. Cleaning and disinfection should follow recommendations for low- to intermediate-level disinfection as defined by the government agencies, e.g., CDC, using the products approved and registered with your governing authorities, e.g., EPA and VAH.



Caution

Wear proper personal protective equipment (PPE), e.g., gloves and glasses, for cleaning and disinfection.

Follow the product manufacturer's instructions for cleaning and disinfection.

The following can be used for cleaning the system including the console, gantry, table, and accessories.

- Distilled water
- Methylated spirit
- Bleach and water solution or disinfectant wipes at ratios of up to 1:10

The following disinfectants can be used for disinfecting the system including the console, gantry, table and accessories. Only the products approved and registered with the governing authorities, e.g., EPA and VAH, should be used.

- 1:10 bleach equivalent spray cleaner or wipes
- Low- or intermediate-level disinfectant germicidal wipes or liquid
- 3% hydrogen peroxide
- Ethanol
- Quaternary ammonium compounds
- Benzyl-C12-18-alkyldimethyl

Tips

After cleaning and disinfection, inspect for any damage to the parts, e.g., cracks on the covers, degraded labels, or torn or broken parts, etc. Contact your Philips Service Representative immediately if any parts are damaged to avoid risk of electric shock.



Warning

Use of inappropriate cleaning materials can cause skin irritation, allergic reaction and poisoning.



Caution

Based on how the parts are exposed to the patients, the extent of the exposures and the frequency of the exposures, the following cleaning and disinfection frequencies are recommended.

- **Parts that the patients make direct contact with during normal scans shall be cleaned and disinfected for every patient.**
- **Parts the patients could touch or the patient body fluid (blood or other potentially infectious materials) could reach shall be cleaned and disinfected daily.**
- **Noncritical environmental parts that the patients do not touch or where patient fluid (blood or other potentially infectious materials) is not expected to reach, shall be cleaned and disinfected weekly or as needed.**

Philips CT 5000 Ingenuity and Ingenuity CT family

Cleaning and disinfecting of the system

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Philips IQon Spectral CT

Cleaning and disinfecting of the system

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Philips MX16^{EVO2} CT

Cleaning the system

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