

Canon

**Cleaning and
Disinfection Guide
for
Alphenix System**

CANON MEDICAL SYSTEMS CORPORATION

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18.4 Cleaning

After operating the unit, clean the main unit, the optional units, and the room.

If cleaning is performed by a cleaning agency, ensure that they are aware of the following WARNING and CAUTION instructions.

- ⚠ WARNING:**
1. If disinfection is required due to the presence of blood etc., perform thorough disinfection referring to subsection 18.5 "Disinfection".
 2. Turn OFF the power to the unit before cleaning. If the power is ON, a malfunction may occur, resulting in an accident.
Entry of liquids such as water or detergent into the unit could result in a short circuit or electric shock.
 3. If the arm of the support unit needs to be moved during cleaning, turn ON the power switch after fully wiping off liquid such as water and detergent from the surrounding area of the support unit, and then operate it in a normal manner. Forcible movement of the arm may cause an error. After the arm is moved, immediately turn OFF the power switch.
 4. Do not pour or spray liquids such as disinfectant, detergent, or water on the system. Entry of liquids into the system may cause a malfunction or an accident.
 5. Do not pour liquids such as water or detergent on the floor. Entry of liquids into the system or into the cable pit may cause a malfunction or an accident.
 6. Cleaning of the support unit, top of the monitor support, ceiling rails, and other units located high above the floor should be performed by a professional cleaning agency. Never work on a stepladder etc.
 7. When the FPD cover etc. on the top of the arm of the support unit is to be cleaned, set the arm rotation angle or slide angle to 90° to move the part to be cleaned to a sufficiently safe low position.

NOTICE:

Do not clean the system with organic solvents (such as paint thinner) or abrasive cleansers because they may cause surface damage or discoloration.

(1) Cleaning the unit

Wipe off stains with a soft cloth moistened with mild detergent.

Dilute the mild detergent to the concentration specified by the manufacturer. Moisten a soft cloth with diluted detergent and then wring the cloth out firmly so that the detergent does not drip from the cloth.

Wipe off the stains and then wipe the unit again with a dry soft cloth.

(2) Cleaning of the room

Remove dust from the room using a vacuum cleaner. When cleaning the floor, use a tightly wrung out mop or cloth so that water does not drip.

18.5 Disinfection

Disinfect the surfaces of the unit, accessories, and options according to the instructions of the hospital's infection control officer.

- ⚠ WARNING:**
1. **After disinfection, ventilate the room thoroughly before turning ON the power. If any flammable gases remain in the room, there is a danger of fire or explosion when the power is turned ON.**
 2. **Do not pour or spray disinfectant on the unit. Entry of disinfectant into the unit may cause a malfunction or an accident.**
 3. **Be sure to turn OFF the power of the unit before disinfection. If power is supplied, an accident may occur due to unintended operation of the unit when control switches are touched. If liquid enters the unit, a fire or electric shock may occur.**

- NOTICE:**
1. Do not use the types of disinfectants listed below. They will damage the system. The performance and safety of the system cannot be guaranteed if it has been damaged by use of an unsuitable disinfectant.
 - Disinfectants that are excessively corrosive to metal or rubber, such as chlorine-based disinfectants.
 - Disinfectants that have instructions stating that they are inappropriate for any of the following: metal, plastic, rubber, or painted surfaces.
 - Disinfectants that may enter the system, such as formalin gas or spray-type agents.
 2. Disinfect the system only when necessary. Performing disinfection many times may result in discoloration or cracking of the surface finish or in damage to rubber or plastic parts. If the system appears to be harmed by a disinfectant, immediately stop using the system. Contact your Canon Medical Systems representative for repair.
 3. Wipe off disinfectants thoroughly after the system has been disinfected. Failure to do so may result in discoloration or cracking of the surface finish or in damage to rubber or plastic parts. If the system appears to be harmed by a disinfectant, immediately stop using the system. Contact your Canon Medical Systems representative for repair.

(1) Recommended disinfectants

The disinfectants listed below can be used on this unit. Read the handling instructions for the disinfectant to be used and fully understand its characteristics and precautions before using it.

- Glutaraldehyde : 2.0 w/v%
- Benzalkonium chloride : 0.2 w/v%
- Ethanol for disinfection : 76.9 to 81.4 v/v% solution
(Do not use this on the synthetic rubber on the front panel of the control console.)

(2) Disinfection procedures

Before disinfection, clean all the areas specified below. After cleaning, wipe each area with a cloth moistened with disinfectant and tightly wrung out. Be careful not to allow disinfectant to enter the unit.

- Areas that have been in contact with the patient
- Areas that have been in contact with the operator
- Areas to which body fluids such as blood have adhered

Perform cleaning appropriately according to the procedures described in subsection 18.4 "Cleaning".

18.6 Sterilization

Sterilization cannot be performed for this system. If a sterile environment is required, use sterile caps or sheets.

18.7 Disposal of the System

This system contains harmful materials such as lead (for shielding X-rays) and batteries. If these materials are left outdoors, environmental contamination may result.

When disposing of this system, contact your Canon Medical Systems representative.

NOTE:

1. The following information is only for EEA countries.

- (1) Concerning WEEE label (Directive 2012/19/EU)

The use of this symbol indicates that this product should not be treated as household waste. By ensuring that this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste-handling of this product. For more detailed information concerning the return and recycling of this product, please consult the supplier from whom you purchased the product.

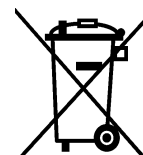


- * For system products, this label may be attached to the main unit only.

- (2) Concerning Batteries (Directive 2006/66/EC)

The directive 2006/66/EC requires separate collection and appropriate disposal of spent batteries.

This product contains batteries that are not intended to be replaced by the user. Replacement of those batteries will usually be done during regular maintenance or service by service staff who can also arrange proper disposal.



2. Perchlorate Material - special handling may apply.
See <http://www.dtsc.ca.gov/hazardouswaste/perchlorate/>
This is applicable to California, U.S.A., only.