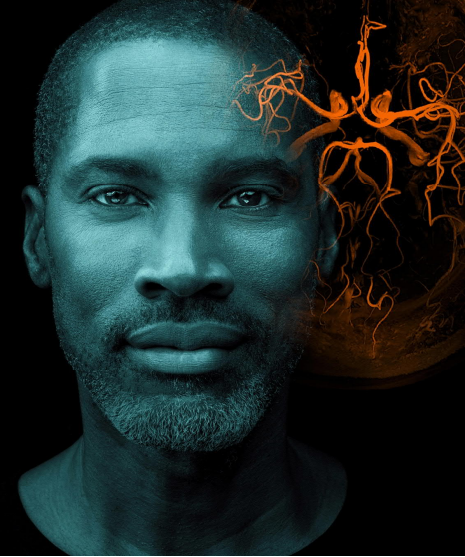
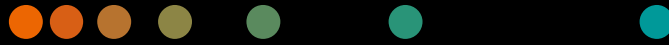


# Cleaning and Disinfection Guide

Cios Family (Cios Select / Cios Connect / Cios Fusion / Cios Alpha / Cios Spin )



Before cleaning or disinfecting the Cios Family, ensure that the system is disconnected from the power supply and switched off.

## Prior to the examination:

Prior to each examination, clean all parts that come into contact with the patient, to prevent contamination of the Cios Family. Make sure that any dust on the housing of the flat detector, the single tank and the C-arm are removed.

## Cleaning the system parts:

- Clean the system parts with a damp cloth.
- For moistening, use water or a lukewarm diluted aqueous solution, consisting of water and a household cleaning agent.
- Cleaning agents and disinfectants containing chlorine derivatives can discolor cables, but will not negatively impact system functions.
- Never immerse system parts (except the footswitch) in liquid or autoclave system parts.

## Cleaning the screen surfaces/TFT displays:

The screen surfaces can be cleaned at any time.

- Clean the monitor screen with a cotton cloth dampened with water.
- Immediately dry off the monitor screen with a soft cotton cloth.
- Wipe off contrast agent spots as soon as possible.

## Disinfection:

- For the disinfection of surfaces we recommend liquid solutions of common surface disinfectants based on aldehyde and/or amphoteric surfactants, e.g. Tensodur 103, Kohrsolin, Cidex.
- Certain substituted phenol-based or chlorine –splitting disinfectants can corrode materials and are therefore not recommended.
- Only use the recommended cleaning agents and disinfectants.
- Do not allow any cleaning fluids to enter the openings of the system (e.g. air openings, gap between covers).
- Observe the Operator Manual of the disinfectant.
- Some substances contained in disinfectants are known to be hazardous to health. The concentration of such substances in the air must not exceed the legally defined limit. We recommend that you follow the manufacturers' usage instructions for these products (active ingredient class).

The following active ingredient classes may be used to clean and disinfect the Cios Family:

- Aldehydes, alkylamines, quaternary compounds, guanidine derivatives, peroxide compounds, organic acids, chlorine derivatives, alcohol, benzene, vcommon household dishwashing liquids, detergents.

Protection classes/Protection measures:

System Component	Protection Class	Protection Measures
X-ray Tube assembly (single tank)	IPX3 waterproof	protect with sterile cover
Flat detector	IPX0 waterproof	protect with sterile cover
C-arm	IPX0 waterproof	protect with sterile cover
Standard footswitch	IPX8 protects against Immersion beyond 1m	seperate from chassis before cleaning
Hand switches	IPX3 dust protected, protected against splashing of water	seperate from chassis before cleaning
Wireless footswitch*	IPX8 protects against Immersion beyond 1m	seperate from chassis before cleaning

\* optional

Reference: Siemens Cios Select / Cios Connect / Cios Fusion / Cios Alpha / Cios Spin Operator Manuals.

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**Siemens Healthineers Headquarters**

Siemens Healthcare GmbH  
Henkestr. 127  
91052 Erlangen, Germany  
Phone: +49 9131 84-0  
[siemens-healthineers.com](http://siemens-healthineers.com)

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**Siemens Healthineers Philippines**

Siemens Healthcare Inc.  
10th Floor, M1 Tower  
141 H.V. Dela Costa street, Salcedo  
Village, Makati City 1227 Philippines  
Phone: +3 8814 6765  
[siemens-healthineers.com/en-ph](http://siemens-healthineers.com/en-ph)