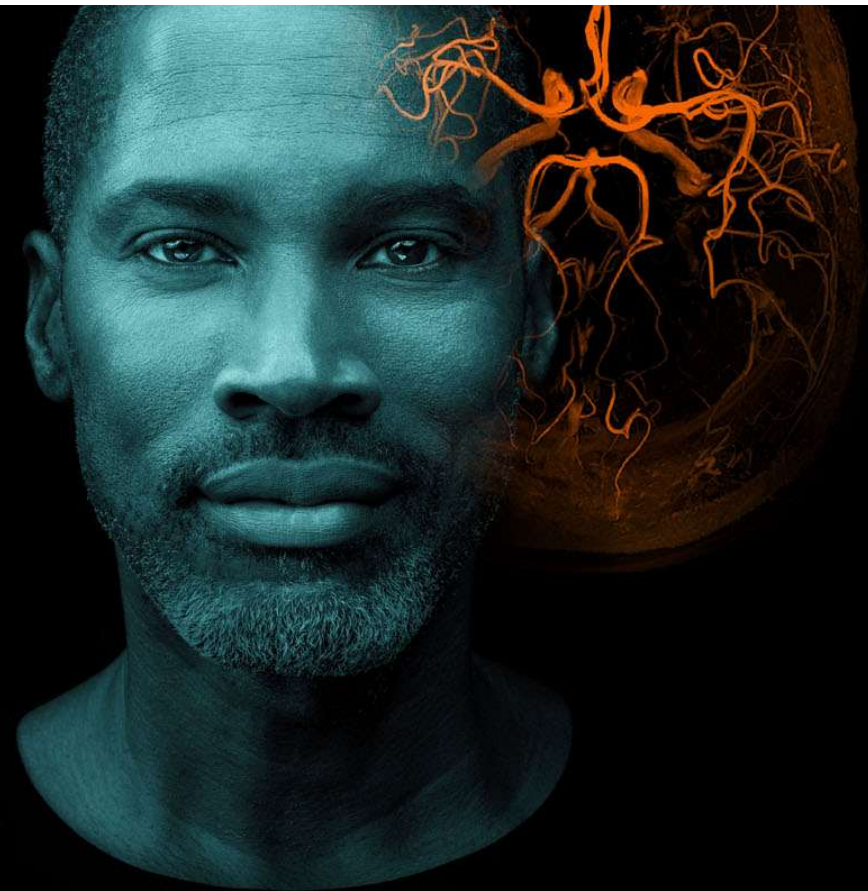
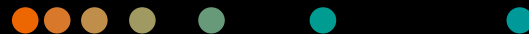


# Preventing contaminated medical devices in the context of COVID-19

Recommendations

X-ray Products



# X-ray Products Overview

According to the WHO COVID-19 information center:

“People can catch COVID-19 from others who have the virus. The disease can spread from person to person through small droplets from the nose or mouth which are spread when a person with COVID-19 coughs or exhales. These droplets land on objects and surfaces around the person. Other people then catch COVID-19 by touching these objects or surfaces, then touching their eyes, nose or mouth. People can also catch COVID-19 if they breathe in droplets from a person with COVID-19 who coughs out or exhales droplets.”<sup>1</sup>

In this context, patients infected with COVID-19 which undergo exams in medical devices might transmit the disease via contamination of the systems surfaces and therefore **disinfecting the systems after each patient is recommended.**

<sup>1</sup> See Q&A on coronaviruses (COVID-19), <https://www.who.int/news-room/q-a-detail/q-a-coronaviruses>, 26<sup>th</sup> March 2020

# X-ray Products Overview

## Recommendations

- To date, the recommendations of the existing risk assessment apply. Generally used disinfectants have to be effective against the COVID-19 virus. Check list of disinfectants that meet EPA's criteria for use against SARS-CoV-2 and its label for specific instructions for inactivation and follow label instructions for product use (for countries that do not follow EPA recommendation, local environmental protection agencies recommendation apply).<sup>1,2</sup>
- All parts of objects that could potentially come into contact with patients and medical staff have to be disinfected.
- All local hygiene instructions (hospital) must be followed. These should meet at least our recommendations.
- Please follow the proper cleaning instructions provided in the operator's manual.

## Caution

Please note that some cleaning agents can cause damage to system components and accessories, a specific list of recommendation for different modalities can be found in the instruction for use of the medical device.

Do not pour cleaning fluid onto surfaces and do not spray fluids - always use a damp cloth for cleaning.

Please contact your local Siemens Healthineers organization for further details.

<sup>1</sup> See EPA / US, <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>, 26<sup>th</sup> March 2020

<sup>2</sup> See RKI / Germany, [https://www.rki.de/DE/Content/InfAZ/N/Neuartiges\\_Coronavirus/Hygiene.html](https://www.rki.de/DE/Content/InfAZ/N/Neuartiges_Coronavirus/Hygiene.html), 26<sup>th</sup> March 2020

# Safety Instructions for Mammography Products

## CAUTION

Using incorrect cleaning agents can accelerate the aging process of the plastics or leave traces behind.

### Equipment damage due to unsuitable cleaning agents

- Observe the specifications of the manufacturer of the cleaning/ disinfecting agent.

## CAUTION

Use of unsuitable cleaning agents.

### Damage of equipment due to penetration of cleaning agent into the equipment or injury due to ignition!

- Wipe off the system with a damp, non-fluffing, non-woven or cotton cloth (100%)
- Moisten the cloth only with water or a lukewarm, diluted, aqueous solution using a household cleanser without abrasives.
- **Use biocompatible and non-inflammable cleaning and disinfection agents (see list of recommended agents).**

# X-ray Products

## Mammography

	antistatic cleaner	household cleaning agent, pH-neutral	rubbing alcohol	alcohol	aldehyde	quaternary compound	guanidine derivative	pyridine derivative	benzene	alkylamine	phenol derivative	organic acid	peroxid	AHP (accelerated hydrogen peroxid)	chlorine derivative
<b>Mammography</b>															
<b>MAMMOMAT Revelation</b>															
Compression troughs		X				X									
Compression holder		X				X									
Detector cover, Mag table		X		X		X							X		
Moodlight	X														
<b>MAMMOMAT Inspiration</b>															
Compression troughs		X				X									
Compression holder		X				X									
Detector cover, Mag table		X		X		X							X		
Moodlight	X														
<b>MAMMOMAT Fusion</b>															
Compression troughs		X				X									
Compression holder		X				X									
Detector cover, Mag table		X		X		X							X		
Moodlight	X														

.....  
Disinfecting  
.....

1. Disinfect all the parts that can, directly or indirectly, come or have come into direct contact with the patient.
2. In addition, observe the hygiene plan of your hospital.
3. Disinfect the system by wiping only.

# Mammography

## MAMMOMAT Revelation



Read carefully the according chapter in the operator manual of the MAMMOMAT Revelation  
Operator manual - **chapter 2.3.2 Cleaning, disinfection<sup>1</sup>**

### Compression holder

not permitted	chlorine-containing products organic acids containing products
permitted	disinfectants with quaternary ammonium compounds
<b>we recommend</b>	<b>disinfectants with quaternary ammonium compounds</b>

### Standard needle holder / Special needle holder for dedicated biopsy systems

not permitted	alcohol-based products products containing hydrogen peroxide
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### Compression troughs (paddles)

not permitted	alcohol-based products petroleum-based products products containing hydrogen peroxide
permitted	disinfectants with quaternary ammonium compounds such as "acryl-des" (by Schülke)
<b>we recommend</b>	<b>disinfectants without alcohol and hydrogen peroxide for all compression troughs disinfectants with quaternary ammonium compounds</b>

### Magnification table, covers such as detector cover

no restrictions on disinfectants	
<b>we recommend</b>	30% H <sub>2</sub> O <sub>2</sub> (hydrogen peroxide) disinfectants with alcohol disinfectants with quaternary ammonium compounds

### Example products (permitted)

#### US: Listed on EPA<sup>2</sup>:

Peridox RTU / Contec Peroxide

Sani-Cloth AF3 / PDI Quaternary compound

#### Germany: Listed on RKI<sup>3</sup>:

Dismozon / Bode Chemie Peroxide

Incidin Plus / Ecolab Glucoprotamin

#### No quaternary based products listed at RKI

Alternative:  
Cleanisept / Dr. Schuhmacher Quaternary compound

<sup>1</sup> MAMMOMAT Revelation Operator Manual – VC10 or higher // XPW7-340G.620.01.02.02

<sup>2</sup> See EPA / US, <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>, 26<sup>th</sup> March 2020

<sup>3</sup> See RKI / Germany, [https://www.rki.de/DE/Content/InfAZ/N/Neuartiges\\_Coronavirus/Hygiene.html](https://www.rki.de/DE/Content/InfAZ/N/Neuartiges_Coronavirus/Hygiene.html), 26<sup>th</sup> March 2020

# Mammography

## MAMMOMAT Inspiration



Read carefully the according chapter in the operator manual of the MAMMOMAT Inspiration  
Operator manual - **chapter 2.3.2 Cleaning, disinfection<sup>1</sup>**

### Compression holder

not permitted	chlorine-containing products organic acids containing products
permitted	disinfectants with quaternary ammonium compounds
<b>we recommend</b>	<b>disinfectants with quaternary ammonium compounds</b>

### Standard needle holder / Special needle holder for dedicated biopsy systems

not permitted	alcohol-based products products containing hydrogen peroxide
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### Compression troughs (paddles)

not permitted	alcohol-based products petroleum-based products products containing hydrogen peroxide
permitted	disinfectants with quaternary ammonium compounds such as "acryl-des" (by Schülke)
<b>we recommend</b>	<b>disinfectants without alcohol and hydrogen peroxide for all compression troughs disinfectants with quaternary ammonium compounds</b>

### Magnification table, covers such as detector cover

no restrictions on disinfectants	
<b>we recommend</b>	30% H <sub>2</sub> O <sub>2</sub> (hydrogen peroxide) disinfectants with alcohol disinfectants with quaternary ammonium compounds

### Example products (permitted)

#### US: Listed on EPA<sup>2</sup>:

Peridox RTU / Contec Peroxide

Sani-Cloth AF3 / PDI Quaternary compound

#### Germany: Listed on RKI<sup>3</sup>:

Dismozon / Bode Chemie Peroxide

Incidin Plus / Ecolab Glucoprotamin

#### No quaternary based products listed at RKI

Alternative:  
Cleanisept / Dr. Schuhmacher Quaternary compound

<sup>1</sup> MAMMOMAT Inspiration Operator Manual – VB60 or higher // XPW7-330G.620.60.01.02

<sup>2</sup> See EPA / US, <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>, 26<sup>th</sup> March 2020

<sup>3</sup> See RKI / Germany, [https://www.rki.de/DE/Content/InfAZ/N/Neuartiges\\_Coronavirus/Hygiene.html](https://www.rki.de/DE/Content/InfAZ/N/Neuartiges_Coronavirus/Hygiene.html), 26<sup>th</sup> March 2020

# Mammography

## MAMMOMAT Fusion



Read carefully the according chapter in the operator manual of the MAMMOMAT Fusion  
Operator manual - **chapter 2.3.2 Cleaning, disinfection<sup>1</sup>**

### Compression holder

not permitted	chlorine-containing products organic acids containing products
permitted	disinfectants with quaternary ammonium compounds
<b>we recommend</b>	<b>disinfectants with quaternary ammonium compounds</b>

### Standard needle holder / Special needle holder for dedicated biopsy systems

not permitted	alcohol-based products products containing hydrogen peroxide
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### Compression troughs (paddles)

not permitted	alcohol-based products petroleum-based products products containing hydrogen peroxide
permitted	disinfectants with quaternary ammonium compounds such as "acryl-des" (by Schülke)
<b>we recommend</b>	<b>disinfectants without alcohol and hydrogen peroxide for all compression troughs disinfectants with quaternary ammonium compounds</b>

### Magnification table, covers such as detector cover

no restrictions on disinfectants	
<b>we recommend</b>	30% H <sub>2</sub> O <sub>2</sub> (hydrogen peroxide) disinfectants with alcohol disinfectants with quaternary ammonium compounds

### Example products (permitted)

#### US: Listed on EPA<sup>2</sup>:

Peridox RTU / Contec Peroxide

Sani-Cloth AF3 / PDI Quaternary compound

#### Germany: Listed on RKI<sup>3</sup>:

Dismozon / Bode Chemie Peroxide

Incidin Plus / Ecolab Glucoprotamin

#### No quaternary based products listed at RKI

Alternative:  
Cleanisept / Dr. Schuhmacher Quaternary compound

<sup>1</sup> MAMMOMAT Fusion Operator Manual – VC10 or higher // XPW7-388G.620.60.01.02

<sup>2</sup> See EPA / US, <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>, 26<sup>th</sup> March 2020

<sup>3</sup> See RKI / Germany, [https://www.rki.de/DE/Content/InfAZ/N/Neuartiges\\_Coronavirus/Hygiene.html](https://www.rki.de/DE/Content/InfAZ/N/Neuartiges_Coronavirus/Hygiene.html), 26<sup>th</sup> March 2020



# Contact

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