

Decontamination in Region Västra Götaland

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REGION
VÄSTRA GÖTALAND
SAHLGRENKA UNIVERSITY HOSPITAL

Item/equipment/medical device etc	Level of decontamination	Method of decontamination
Items in contact with intact skin	<ul style="list-style-type: none"> ▪ Cleaning ▪ Disinfection if contaminated with blood/body fluids ▪ Disinfection if increased risk of contamination, shared equipment 	<ul style="list-style-type: none"> ▪ Detergent and water ▪ Thermal disinfection - automated bedpan washer- disinfectant ▪ Alcohol-based disinfectant, Virkon, accelerated hydrogen peroxide

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Items in contact with intact mucous membranes or contact with non-intact skin	<ul style="list-style-type: none"> ▪ Cleaning followed by high-level disinfection 	<ul style="list-style-type: none"> ▪ Thermal disinfection - automated washer-disinfectant, ▪ Automated endoscope reprocessors using high-level disinfectant ▪ Manual process using high-level disinfectant

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Items that penetrate skin or mucous membranes or enter the vascular system or other sterile body areas	<ul style="list-style-type: none"> ▪ Cleaning then high-level disinfection followed by sterilization 	<ul style="list-style-type: none"> ▪ Steam sterilization ▪ Cleaning, disinfection and sterilization at sterile services department

Items, equipment and medical devices should be decontaminated according to the manufacturer's instructions, with detergents and disinfectants approved by the manufacturer.

When purchasing items, equipment and medical devices it is important to take into account which detergents and disinfectants that are available within the region.

- Heat sensitive flexible endoscopes
- Ultrasound probes

Heat sensitive flexible endoscopes - Endoscope reprocessing

- **Manual cleaning procedure**

- enzymatic detergent, compatible with the disinfectant to be used



- **Automated endoscope reprocessors** – cleaning and disinfection

- enzymatic detergent
- peracetic acid
- (orto-phthalaldehyd)
- ~~glutaraldehyd)~~

Ultrasound probes

- **Non-invasive ultrasound probes**

Manual cleaning and disinfection:

- 45% v/v isopropanol with surfactant

- **Semi-invasive ultrasound probe**

Manual cleaning followed by high-level disinfection:

- automated hydrogen peroxide system (transvaginal, transrectal probes)
- automated peracetic acid system (transoesophageal echocardiography probe)
- manual high-level disinfection procedure – peracetic acid