

## Provide information about the disinfection of Medical Devices (for Ultrasound System)

We have received many inquiries due to the spread of the new coronavirus infection (COVID-19).

We guide representative examples of the chemical components and disinfection methods that can be used for disinfection of our medical devices (Ultrasound System).

### 1. Available disinfectants for disinfecting the system

Use applications	Contents	Cautions
System	<a href="#">Refer to 『Cleaning, Disinfection and Sterilization list for Ultrasound System』</a>	<ul style="list-style-type: none"> <li>Refer to the instruction manual of the disinfectant for how to use the disinfectant.</li> <li>Refer to "Disinfection of system" for the disinfection method. Refer to instruction manual for details.</li> </ul>
	Ethanol for disinfection (70~90%)	<ul style="list-style-type: none"> <li>Wipe off so that no disinfectant remains on the surface.</li> <li><b>Do not use ethanol on the monitor display surface of Prosound α6 / 7 (15 inch monitor) and F37 (15 inch monitor).</b></li> </ul>
Probe	<a href="#">Refer to 『Cleaning, Disinfection and Sterilization for Ultrasound Probes and Accessories』</a>	<ul style="list-style-type: none"> <li>Refer to the instruction manual of the disinfectant for how to use the disinfectant.</li> <li>For the disinfection, refer to "An example of probe cleaning / disinfection method". Refer to each instruction manual for details.</li> </ul>
	Ethanol for disinfection (70~90%)	<ul style="list-style-type: none"> <li>Wipe off so that no disinfectant remains on the surface.</li> <li><b>For some probes, disinfectant ethanol cannot be used. Refer to "List of probes, accessories for cleaning, disinfection, and sterilization". For these probes, do not disinfect the Ultrasonic radiation part with ethanol. If you do, it may cause a malfunction (lens peeling).</b></li> </ul>

The above-mentioned usable disinfectants guarantee resistance to the system and the probes. However, "cleaning / disinfecting / sterilizing effects" is not guaranteed. For "cleaning / disinfecting / sterilizing effects", please refer to each disinfectants manufacturer's website, instruction manual, etc.

- Disinfection of system

(From instruction manual)

### Disinfecting

After performing the steps above, disinfect using the following steps.

- 1 Wipe gently with an approved disinfectant.
- 2 (If necessary,) dampen a soft lint free cloth with water and thoroughly wring it out to wipe off any remaining disinfectant.
- 3 (If necessary,) use a dry, soft lint free cloth to gently wipe away any remaining moisture and leave to dry out.

- \* Use ethanol and 『Cleaning, Disinfection and Sterilization list for Ultrasound System』 as a disinfectant.
- \* Do not use ethanol on the monitor display surface of Prosound α6 / 7 (15 inch monitor) and F37 (15 inch monitor).

- An example of probe cleaning / disinfection method


(From instruction manual(example))

#### 7-2. Manual disinfection

##### A). Probes

- 1) Confirm the concentration of the disinfectant before immersing the probe. Although Cidex OPA does not need to be diluted, it is recommended to use test strips to verify the concentration. The test strips can indicate whether or not the concentration is above the Minimum Effective Concentration (MEC). Please also note the expiration date of the test strips. Temperature of disinfectant solution should be minimum 20 °C[68°F]. The minimum contact time is 5 minutes. If a differing disinfectant is used, follow the manufacturer's instructions. Please also consider the material compatibility for the medical device.
- 2) Wipe the non-submergible parts of the probe with a soft and fluff free cloth with disinfectant.
- 3) Immerse the submergible part of the probe into the disinfectant. Set a clock to insure the recommended contact time is observed.
- 4) Rinse the submergible part of the probe with running deionized water for 1 minute.  
(Alternatively, immerse the submergible part of the probe in a tray filled with deionized water for 5 min.)
- 5) Visually check the outer surface of the probe for that there are no leavings of the disinfectant. If necessary, repeat the rinsing.

#### Caution

-  Do not wipe the ultrasonic radiation part with alcohol.  
Alcohol could damage the part.

- \* Cidex is a registered trademark or trademark of Johnson & Johnson in the United States and other countries.
- \* Prosound, F37 are registered trademarks or trademark of our company, Ltd. in the United States and other countries.