FUJIFILM

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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	Refer to 『Cleaning, Disinfection and Sterilization list for Ultrasound System』	・Refer to the instruction manual of the disinfectant for how to use the disinfectant. ・Refer to “Disinfection of system” for the disinfection method. Refer to instruction manual for details.
	Ethanol for disinfection (70～90%)	・Wipe off so that no disinfectant remains on the surface. ・**Do not use ethanol on the monitor display surface of Prosound α6 / 7 (15 inch monitor) and F37 (15 inch monitor).**
Probe	Refer to 『Cleaning, Disinfection and Sterilization for Ultrasound Probes and Accessories』	・Refer to the instruction manual of the disinfectant for how to use the disinfectant. ・For the disinfection, refer to " An example of probe cleaning / disinfection method". Refer to each instruction manual for details.
	Ethanol for disinfection (70～90%)	・Wipe off so that no disinfectant remains on the surface. ・**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).**

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).**

⚠ DANGER

Do not connect or disconnect the power plug with wet hands. There is a risk of electric shock.
Hold the power plug to disconnect the power cable. Do not pull on the cable. Failure to heed this warning could lead to electric shock or short-circuits that could cause a fire.
Do not use a power plug or power cable that is damaged, hot or a power plug that cannot be properly seated in a power outlet. Failure to heed this warning could result in electric shock and short-circuits that could cause a fire.
Disconnect the power plug and use a dry cloth to regularly remove dust from the power plug. (Unplug the device when it will not be used for a longer period of time.) Dust that is allowed to accumulate will absorb moisture which could cause insulation failure and fire.
After cleaning the device, wipe away any remaining water and leave to dry out. Unless dried, there is a risk of electric shock and injury.
Do not use when wet. There is a risk of electric shock and injury.
Do not use benzine or thinner to clean the device. There is a risk of fire or malfunction.
Use a soft, slightly dampened lint free cloth or cotton bud to clean or disinfect. Do not put too much liquid in a lint free cloth or cotton bud as excess liquid could enter the device which could cause electric shock or short-circuits. Should liquid enter the device, please contact our office.
Do not expose connectors to liquid. It could cause short circuiting or electric shock. Should water enter the connectors on the device, please contact our office.
Avoid direct contact with any chemicals. Contact with a chemical may lead to inflammation. Refer to the documentation for the specific chemical before use.
Use only chemicals that have been approved for use on the device. Fractures (cracks, etc.) could otherwise occur.
Take care not to spill liquid onto or into the device. It could cause short circuiting or electric shock. Should liquid spill on the device, please contact our office.

⚠ WARNING

Clean and disinfect the probes after each examination.

There is a risk of infection from the probes. For information about handling, cleaning, disinfecting, sterilizing and inspecting probes, see the supplied documentation.

Be sure to observe the recommendations of the chemical company and local laws and regulations in disposing of chemicals.

Failure to heed such instructions may lead to pollution.

Use gloves, masks, goggles and other personal protective equipment (PPE) when handling chemicals.

Handling the device with your bare hands when it is contaminated by body fluids or other liquids could result in an infection.

⚠ CAUTION

Do not clean, disinfect or sterilize the device with chemicals or gases that we do not recommend.

They could damage the device.

It is necessary to confirm chemical use and application in the country or region where the device is used.

This manual does not provide information on chemicals.

Refer to the documentation supplied by the chemical company regarding its effect and suitable clinical use.

Sufficient sterilizing and disinfecting effect may not be obtained if suitable clinical use are not observed.

Storage and use of a chemical must conform to the instructions in the supplied documentation.

Incorrect storage and use could reduce the effect of a chemical.

Check the expiration date of a chemical.

A chemical that is past its expiration date may no longer be as effective.

Use gloves, masks, goggles and other personal protective equipment (PPE) when handling chemicals.

Otherwise, there is risk that the eyes, mouth and skin may be exposed to those chemicals.

Dispose of gloves after each cleaning and disinfection job.

There is a risk of contamination.

Lint free cloths or cotton buds used for cleaning or disinfection should be replaced frequently.

There is a risk of contamination.

If sodium hypochlorite is used, make sure none of it remains after disinfection.

Prints could fade, become discolored or the device could rust.

⚠ NOTE

Wipe gently when cleaning and disinfecting the device.

Do not wipe with too much pressure as it could cause the paint to peel or make labels unreadable.

Clean with organic solvents or disinfectants which are specified in "Using Approved Disinfectants" on this document.

Using other chemicals which are not specified in "Using Approved Disinfectants" on this document may cause degradation and/or damage of exterior surfacing.

- 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 stripes. 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) Immerge 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.