

1. Connecting /Disconnecting a Probe

CAUTION

⚠ CAUTION :	1. When connecting or disconnecting a probe, place it in a proper position, to prevent the probe from falling off or becoming damaged.
	2. Only use the probes provided by the company. Aftermarket probes may result in damage or cause a fire.

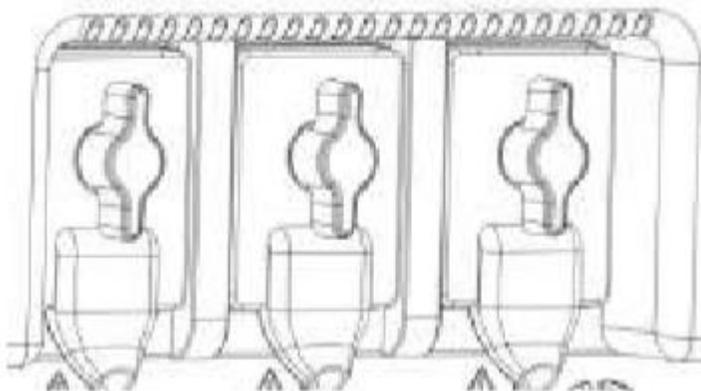
1. When connecting or disconnecting a probe, place it in a proper position, to prevent the probe from falling off or becoming damaged.
2. Only use the probes provided by the company. Aftermarket probes may result in damage or cause a fire.

1.1. Connecting a Probe

⚠ WARNING :	1. The probes, cables and connectors are in proper operating order and free from surface defects, cracks and peeling. Using a defective probe may cause electric shock.
	2. Handling the probe, be sure to verify that the host is off or frozen state.

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Keep the cable end of the probe to the right side of the system, and insert the connector into the port of the system, and then press in fully. See the figure below. Clockwise revolve the locking lever to be tight. Place the cable properly to avoid being treaded or wrapping with other devices. DO NOT allow the probe head to hang free.



1.2. Disconnecting a Probe

Counterclockwise revolve the locking lever to unlock the connector of the probe. Pull the probe connector straight out.

2. Cleaning and disinfection

2.1. Cleaning

 **WARNING**

Always disconnect the ultrasound probe system from the host computer before performing maintenance or cleaning.

Always follow the manufacturer's instructions when cleaning and disinfecting probes and biopsy guide adapters.

Do not use a surgeon's brush when cleaning probes. The use of even soft brushes can damage the probe.

2.1.1. Probe Cleaning

1. Wear protective gloves when performing the cleaning process.
2. Disconnect the probe from the system.
3. Remove any sheaths, biopsy guide adapters, or biopsy needle guides (biopsy guide adapter, if reusable, the biopsy guide can be sterilized.)
4. Discard sheaths (sheaths are single-use item) in a Biohazard container.
5. Use a soft cloth lightly dampened in a mild soap or compatible cleaning solution to remove any particulate matter or body fluids that remain on the probe or cable.
6. To remove remaining particulates, rinse with water up to the immersion point.
7. Wipe with a dry cloth; or wipe with a water-dampened cloth to remove soap residue, and then wipe with a dry cloth.

2.1.2. Surface Cleaning

1. Refer to "Probe Cleaning"

2.2. Disinfecting

2.2.1. Probe Disinfecting

A 10⁻⁶ reduction in pathogens should be reached following the disinfecting procedures in this manual and using the following recommended solutions. The following disinfectants are recommended because of both its biological effectiveness (as qualified through the FDA 510(k) process) and its chemical compatibility with DGH Technology ultrasound product materials.

1. Wear protective gloves when performing the disinfecting procedure.

2. Check the expiration date on the solution that is being used solution is used. Use only solutions that are within the expiration date.

 **WARNING**

The type of tissue it will contact during use dictates the level of disinfection required for a device. Ensure that the solution strength and duration of contact are appropriate for disinfection. Be sure to follow the manufacturer's instructions.

 **WARNING**

Using a non-recommended disinfection solution, incorrect solution strength, or immersing a probe deeper or for a period longer than recommended can damage or discolor the probe and will void the probe warranty.

Do not immerse probes longer than one hour. Probes may be damaged by longer immersion times.

Disinfect probes using only liquid solutions. Using autoclave, gas (EtO), or other non DGH Technology approved methods will damage the probe and void the warranty.

4. Mix the disinfection solution compatible with the probe according to label instructions for solution strength. A disinfectant qualified by the FDA 510(k) process is recommended.

5. Immerse the probe into the disinfection solution per the manufactures' recommendations of duration.

6. Follow the instructions on the disinfection label for the duration of probe immersion.

7. Using the instructions on the disinfectant or sterilization label, rinse the probe up to the point of immersion, and then air dry or towel dry with a clean cloth.

8. Examine the probe for damage such as cracks, splitting, fluid leaks, or sharp edges or projections. If damage is evident, discontinue use of the probe and contact a customer service representative.

2.2.2. Probe Surface Disinfecting

1. Refer to "Probe Disinfecting"