

Chapter 11

Maintenance

This chapter provides information and instructions for storing, transporting, cleaning, and disinfecting the probe.

Maintaining the Probe

Storing and Transport



CAUTION!

Avoid storing the probe where the probe or its cable could be easily damaged.



CAUTION!

Avoid transporting the probe unless it is well supported and secured. Secure the cable tightly to the probe when transporting it or carrying it. Avoid swinging the probe or supporting the probe solely from its cable.

The probe should be stored in clean, dry, and moderate temperature conditions.

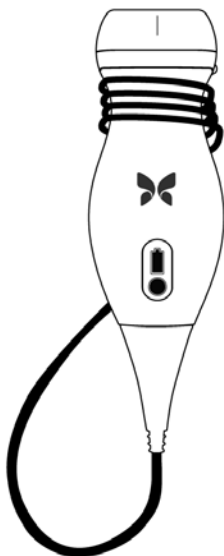
Follow these steps for daily storage and transport:

- When storing the probe, wrap the cable around the probe so that there is some slack at the bottom of the probe. See Figure 11-1 for reference.
- Avoid placing or storing in areas of excessive hot or cold temperatures or direct sunlight.
- Avoid placing or storing with other equipment or objects that may inadvertently damage the probe, particularly the face.
- Avoid contamination by:
 - Following the cleaning and disinfecting instructions. See “Cleaning and Disinfecting the Probe” on page 11-2.
 - Making sure the equipment is dry.
 - Carefully handling the probe to prevent damaging the equipment.

Note — Do not expose internal electronics temperature to temperatures exceeding 70°C.

For information on environmental operating conditions, including brief storage temperature conditions, see Table 14-4.

Figure 11-1 Wrapping the Cable



Cleaning and Disinfecting the Probe

This section provides information and instructions for properly cleaning and disinfecting the Butterfly iQ™ probe. Following these instructions will also help to avoid damaging the probe during cleaning and disinfection.



CAUTION!

Only clean the probe with approved cleaning products and wipes. Improper cleaning or disinfection methods or using non-approved cleaning and disinfecting solutions may damage equipment.

Cleaning the Probe



CAUTIONS!

- Prevent any fluid from entering electrical or metal portions of the cable's connector during the cleaning and disinfecting process. Damage due to fluid in these areas may result.
 - Prevent any fluid from splashing on your mobile device's touchscreen during scanning and during cleaning. Damage due to fluid may result.
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➤ **To clean the probe:**

1. After each use of the probe, use one of the recommended liquid saturated wipes (Super Sani-Cloth® Germicidal Disposable Wipes by PDI, Inc., Super Sani-Cloth® AF3 Disposable Wipes by PDI, Inc., or a lint-free cloth moistened with water) to remove ultrasound transmission gel from the probe.
2. Disconnect the probe from the mobile device.
3. Wipe the probe, strain relief, cable, and connector with one of the recommended liquid saturated wipes for one (1) minute and until visibly clean.
4. Change the wipes as necessary and repeat the above step until the probe is visibly clean.
5. To dry the probe, use a soft cloth, blot the lens dry. Do not wipe the lens. Dry the rest of the probe, cable, strain relief, and connector.
6. Visually inspect the probe in a well-lit area to ensure all surfaces are clean. If the probe is not clean, repeat the cleaning steps above.
7. Dispose of cleaning material in accordance with all applicable regulations.

Disinfecting the Probe

After cleaning the probe, you must disinfect the probe.

It is recommended that you use Super Sani-Cloth® Germicidal Disposable Wipes by PDI, Inc or bleach (0.6% Sodium Hypochlorite) and clean non-linting wipes.



WARNING!

Always inspect the probe before and after cleaning, disinfection, or use. Check the lens face, cable, housing, seams, and connector for signs of damage such as cracks, chips, abrasions, or leaks. To avoid the risk of electrical hazards, do not use the probe if there is any sign of damage.

- **To disinfect the probe using Super Sani-Cloth® Germicidal Disposable Wipes by PDI:**
 1. Wipe the probe, cable, strain relief, and connector with a Super Sani-Cloth® Germicidal Disposable Wipe. Use additional fresh wipes as needed.
 2. Make sure the treated surface remains visibly wet for a minimum of three (3) minutes paying attention to seams, gaps, gasket material, and recessed areas.
 3. Use additional fresh wipes as needed to ensure continuous three (3) minutes of contact time.
 4. Allow to air dry.
 5. Once clean and disinfected, visually inspect the probe, strain relief, cable, and connector for signs of damage or wear.

- **To disinfect the probe using bleach (0.6% Sodium Hypochlorite) and clean non-linting wipes:**
 1. Wipe the probe, cable, strain relief, and connector using a clean non-linting wipe *wetted* (damp but not dripping) with bleach (0.6%). Use additional fresh wipes as needed.
 2. Make sure the treated surface remains visibly wet for a minimum of ten (10) minutes paying attention to seams, gaps, gasket material, and recessed areas.
 3. Use additional fresh wipes as needed to ensure continuous ten (10) minutes of contact time.
 4. Allow to air dry.
 5. Once clean and disinfected, visually inspect the probe, strain relief, cable, and connector for signs of damage or wear.

Disinfecting the Mobile Device

It may be necessary to disinfect your mobile device after use. For details, refer to your mobile device's policy and website for support.

Updating the Probe and App Software

Updates to the Butterfly iQ™ App and probe are handled through the Apple App Store.

Keep your mobile device's operating system and the Butterfly iQ™ App updated to ensure you have the most up-to-date version.