

Title: TROPHON PROTOCOL

Responsibility: Ultrasound technician/RN/Sterile Processing Department

Purpose of Guidelines: High Level Disinfection (Tropon Protocol) is to be utilized for all vaginal/rectal and non-invasive ultrasound probes following each use.

A. Procedure for Areas with Dedicated Tropon Machine (e.g., areas with vaginal probes):

1. Put on gloves, 2 on the dominant hand, 1 on the non-dominant hand
2. Place probe cover over ultrasound probe and complete study
3. Holding probe in non-dominant hand, use a manufacturer approved disinfectant wipe in the dominant hand and remove probe cover by sliding the wipe and the probe cover up and off of the probe
4. Carefully encase wipe and probe cover in gloved dominate hand and roll glove off of the hand so as to contain the probe cover and wipe. Dispose of in trash
5. Use alcohol-free disinfectant wipe (e.g., Green top PDI wipe, Sanicloth AF3 wipe) to cleanse gel from probe. Use new disinfectant wipe to clean the cord and all attached mechanisms
6. Place red biohazard bag over probe and place on counter
7. Remove gloves and perform hand hygiene
8. Place clean glove on one hand and carry bagged probe in the gloved hand, using ungloved clean hand to open doors, to the dirty utility room and place in dirty sink
9. Remove glove and perform hand hygiene according to policy
10. Put on gloves and remove red biohazard bag from probe and discard in biohazard trash
11. Ensure the probe, mechanics and cord are clean and free of all visible debris, bioburden, gel or other soil, then completely dry probe by wiping with a disposable soft low linting or lint free cloth (ensure probe is completely dry)
12. Load the clean, dry probe into the Tropon 2 disinfection chamber, confirming:
 - a. Probe is secured high in the chamber with tip of probe above the embossed line; AND
 - b. Probe does not contact the chamber wall at any point
13. Scan the RFID tag on the probe
14. Place a new Tropon Chemical Indicator (CI) into the indicator holder with the red side facing up
NOTE: A new chemical indicator is required for every cycle
15. Close the chamber door and confirm that the probe is both clean and dry
 - a. If yes, press START
 - b. If no, follow the LCD screen prompts

16. Remove gloves and perform hand hygiene according to policy
17. Scan the employee RFID badge
18. Record the high-level disinfection cycle Start Time on the log using the patient demographics sticker
19. At the end of the seven-minute HLD cycle, Trophon 2's LCD screen states: *CYCLE COMPLETE REMOVE AND WIPE PROBE*
20. Put on gloves, retrieve a clean, disposable low linting or lint free towel and probe cover
21. Open the chamber door
22. Remove Chemical Indicator(CI), check color against the color chart on the carton
 - a. ***Both the CI and LCD screen must indicate a successful cycle for the probe to be ready for use***
 - b. ***If either the CI or the Trophon LCD screen indicates a fail, repeat the cycle***
23. Remove and wipe the probe using a dry, single-use disposable low linting or lint free cloth
24. Place the probe in a clean steri pouch for transportation and storage
25. Close the chamber door
26. Scan the employee assigned RFID badge to confirm cycle PASS
27. The Trophon Unit will print two stickers indicating the cycle details
 - a. Record the HLD cycle completion on the log using the first printed Trophon sticker
 - b. Place the second cycle completion sticker on the steri pouch containing the clean probe
28. Remove gloves and perform hand hygiene according to policy
29. Place probe in hanging position (with steri pouch protector) in the US room

B. Procedure for Non-invasive Ultrasound Probes:

1. Put on gloves, 2 on the dominant hand, 1 on the non-dominant hand
2. Holding probe in non-dominant hand use a manufacturer approved disinfectant wipe in the dominant hand and remove probe cover by sliding the wipe and the probe cover up and off of the probe
3. Carefully encase wipe and probe cover in gloved dominate hand and roll glove off of the hand so as to contain the probe cover and wipe. Dispose of in trash
4. Use alcohol-free disinfectant wipe (e.g., Green top PDI wipe, Sanicloth AF3 wipe) to cleanse the probe. Use a new disinfectant wipe to clean the cord and all attached mechanisms
5. Retrieve appropriate tub for probe transport
6. Place probe in tub and cover with red biohazard plastic cover
7. Immediately take to Sterile Processing for high level disinfection. Complete the control sheet for the department to ensure it is returned to the proper location

In order to be able to complete High Level Trophon Disinfection, annual education requirements include the following:

- completion of the Trophon educational video and online quiz
- demonstration of competency using Trophon machine

Records of all trainings will be kept in the employee personnel file per department procedures.

Assessment Completed by: _____ **Department:** _____
(Trained Assessor)

Employee: _____ **Employee:** _____ **Date:** _____
(Printed name) *(Signature)*

Revised: 1/2020, 6/2022, 5/2024