trophon®2 Simply Smarter

High Level Disinfection for Ultrasound Probes

When to HLD with trophon2?

Patient Contact Site	Probe will only contact healthy, intact skin	Probe may contact mucous membranes or non-intact skin	Probe may contact or enter sterile tissue or the bloodstream
Spaulding Classification	**Non-Critical** **Surface ultrasound (intact skin)**	**Semi-Critical** **Endocavitary** • transvaginal scans • transrectal scans **Surface ultrasound (broken skin)** • scan across partially healed wound • scan across rash	**Critical** **Intraoperative procedures** **Biopsies** **Ultrasound guided procedures where the probe may contact sterile tissue*** • drainages • injections • tissue sampling
			
Disinfection / Sterilization Requirements	**Minimum LLD**   **Further protection with HLD**	**Minimum of HLD** 	**HLD or Sterilization†** 

Probe is ready for procedure

*Ultrasound devices that contact or enter sterile tissue are classed as critical even if a cover is used.[1,2] Ultrasound guided procedures are diverse and many carry a risk of contact with sterile tissue.

† Critical probes must be sterilized, however if sterilization is not possible the CDC permits high level disinfection with use of a sterile sheath.[1]

The above table has been developed based on the Spaulding classification which sets medical device reprocessing requirements.[3] The FDA and CDC both offer specific guidance for ultrasound probe reprocessing as indicated here.[1,2]

References 1. CDC 2008. Guideline for Disinfection and Sterilization in Healthcare Facilities. **2.** FDA 2008. Information for Manufacturers Seeking Marketing Clearance of Diagnostic Ultrasound Systems and Transducers. **3.** Spaulding EH (1968). Chemical disinfection of medical and surgical materials. Disinfection, sterilization, and preservation. Lawrence C, Block SS. Philadelphia (PA), Lea & Febiger: 517-531.

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