

## Standard Worksheet

**Process:** Bedside / Portable Ultrasound Cleaning and Disinfection

**Desired Goal or Outcome:** Prevention Infection Transmission in Health Care Settings

These are general cleaning instructions for non-invasive ultrasounds. Cleaning and disinfection shall occur between all patients: It is a two-step process to be performed by the equipment user or a designate staff, who is trained and responsible for cleaning medical equipment.

The Equipment's manufacturer's instructions should always be followed. All new equipment requires evaluation prior to use. This standard work does not replace pre-purchase assessments by site or regional Infection Prevention and Control Program.

**NOTE:** If exam includes invasive ultrasound procedures, the probes need to be identified for tracking purposes. Follow the appropriate cleaning/disinfection processes for the probe and type of exam being performed.

STEP	DESCRIPTION	KEY POINTS / IMAGES				
<b>PRECLEAN</b>						
1	<input type="checkbox"/> Remove excess ultrasound gel from cable and transducer with a cloth <input type="checkbox"/> Put cloth in laundry bin <input type="checkbox"/> Dispose of any single use items <input type="checkbox"/> Remove gloves if worn during scan	A Q-tip can be used to remove gel from crevices (biopsy guide attachment) on the transducer				
<b>CLEAN</b>						
2	<input type="checkbox"/> Perform HH (hand hygiene) <input type="checkbox"/> Put on clean gloves					
3	<input type="checkbox"/> Using facility and device approved disinfectants, clean: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"><input type="checkbox"/> Table surface where cleaned ultrasound will be placed</td> <td style="width: 50%;"><input type="checkbox"/> Touch monitor screen</td> </tr> <tr> <td><input type="checkbox"/> Keyboard</td> <td><input type="checkbox"/> Transducer holder</td> </tr> </table> <input type="checkbox"/> Machine handles <input type="checkbox"/> With a new wipe, wipe the cables, lock and ultrasound transducers <input type="checkbox"/> Clean the track ball with an alcohol prep-pad (swab) <input type="checkbox"/> Place the ultrasound on clean table	<input type="checkbox"/> Table surface where cleaned ultrasound will be placed	<input type="checkbox"/> Touch monitor screen	<input type="checkbox"/> Keyboard	<input type="checkbox"/> Transducer holder	Remove excess liquid from wipes when using electronics
<input type="checkbox"/> Table surface where cleaned ultrasound will be placed	<input type="checkbox"/> Touch monitor screen					
<input type="checkbox"/> Keyboard	<input type="checkbox"/> Transducer holder					
4	<input type="checkbox"/> Remove gloves and discard <input type="checkbox"/> Perform HH					
<b>LOW-LEVEL DISINFECTION (LLD)</b>						
1	<input type="checkbox"/> Put on new clean gloves <input type="checkbox"/> Take new disinfectant wipes	Take as many wipes as needed to clean all parts				
2	<input type="checkbox"/> Disinfect: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"><input type="checkbox"/> Keyboard</td> <td style="width: 50%;"><input type="checkbox"/> Touchscreen monitor</td> </tr> <tr> <td><input type="checkbox"/> Machine handles</td> <td><input type="checkbox"/> Transducer holder</td> </tr> </table> <input type="checkbox"/> With a new wipe, disinfect cables, port lock and ultrasound transducers, avoiding the electrical side of transducer base and ultrasound gel bottle	<input type="checkbox"/> Keyboard	<input type="checkbox"/> Touchscreen monitor	<input type="checkbox"/> Machine handles	<input type="checkbox"/> Transducer holder	All aspects of equipment must be wet with disinfectant solution (except for transducer base, port side) for the required wet contact time
<input type="checkbox"/> Keyboard	<input type="checkbox"/> Touchscreen monitor					
<input type="checkbox"/> Machine handles	<input type="checkbox"/> Transducer holder					
3	Wait full contact time for disinfectant	1 minute for Accel Intervention 3 minutes for Accel Prevention				
4	<input type="checkbox"/> Discard wipes <input type="checkbox"/> Remove gloves and perform HH					
<b>STORAGE AND CARE</b>						
5	<input type="checkbox"/> Store in a clean, dry and secure location (sheet or plastic cover)	To prevent contamination from dust during storage				

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## **INFECTION PREVENTION AND CONTROL GUIDANCE: ULTRASOUND USE**

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### **Prior to Use**

- Implement Additional Precautions as needed
- Drape Ultrasound machine with plastic cover for patients on Additional Precautions (protects keys and challenging-to-clean aspects of machine)
- Place required items/linens needed for a single patient case on ultrasound machine or in patient's environment (bed or bedside table)

### **During Exam**

- If extra supplies are needed during scan, remove gloves, and perform hand hygiene prior to retrieving clean supplies

### **Ultrasound Gel**

- Routine Practices – multi-use container shall be cleaned and disinfected between each patient and must not have direct contact with patient
- Additional Precautions: use single use packet of ultrasound gel or discard bottle after use
- Do not top up or refill ultrasound gel containers – discard once empty

### **After Scan**

- Place all linens/towels in laundry bin
- Discard any single use items
- Discard gloves and perform HH
- Follow Standard Work Sheet for cleaning process:  
*Bedside/Portable Ultrasound Cleaning and Disinfection*

### **After Cleaning Ultrasound Machines**

- Fill out the *Portable Ultrasound Machine Cleaning and Disinfection Sign-Off form*
- Technologists check off *Probe Cleaning and Disinfection on Technologist's Impression Form*

