



# Disinfection Guidelines for your Vivid E9/ E90/ E95 Ultrasound system

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Information presented below is sourced from <https://cleaning.gehealthcare.com/>. Always refer to this website for updated information

## Approved disinfectants for system

Alcohol (Isopropyl) 70%\*\*

- Before cleaning the console, switch it off and disconnect from AC Mains
- If you use a spray or liquid, apply it on a piece of soft non-abrasive cloth and then wipe the system. Do not apply spray directly onto the system
- It is recommended to use “powder free” latex gloves or Nitrile gloves to work on the operator panel. Debris from the powdered gloves can cause trackball and operator panel to malfunction. If powder coated latex gloves are being used, it is recommended to wear an additional transparent polythene kitchen gloves on top of it.
- **Caution:**
  - DO NOT allow any liquid to drip or seep into the system
  - DO NOT spray any liquid directly onto the ultrasound system covers, Monitor, keyboard, etc

Disinfection procedures are mentioned in the user manual for each Ultrasound system. You can also download the User manuals for your model from the below mentioned website.

<https://customer-doc.cloud.gehealthcare.com/#/cdp/dashboard>

Generic Probe disinfection procedures can also be downloaded by typing the document no 5661328-1EN in the search box

Approved disinfectants for probes are mentioned on next page

## Approved disinfectants for probes ( non TEE)

Disinfectant	Manufacturer	Method
** Alcohol 70% Isopropanol on a wipe	All manufacturer	Liquid/Spray
** Alcohol 70% Ethanol on a wipe	All manufacturer	Liquid/Spray
* Clorox Healthcare Bleach Germicidal wipes	CloroxPro	Wipes
* Protex ULTRA Disinfectant Wipes	Parker Laboratories Inc.	Wipes
* Sani-Cloth AF3 Germicidal Disposable Wipe	PDI	Wipes
* Sani-Cloth Bleach Germicidal Disposable Wipe	PDI	Wipes
* SONO Ultrasound Wipes	Advanced Ultrasound Solutions Inc.	Wipes
* Super Sani-Cloth Germicidal Disposable Wipe	PDI	Wipes
*** Clinell Universal Sanitising wipes or Clinell Universal wipes	GAMA Healthcare Ltd	Wipes
*** Mikrobac tissues	BODE Chemie GmbH (HARTMANN)	Wipes
*** Mikrozid sensitive wipes	Schulke & Mayr GmbH	Wipes
*** Tristel Sporicidal Wipe - Activated Wipe	Tristel Solutions Limited	Wipes
*** Tristel Trio Wipes System	Tristel Solutions Limited	Wipes

## Approved disinfectants for TEE probes

### For Endoscope portion

Table 1: High level disinfectants			
Solutions	Manufacturer	Active ingredients	(minute)
 Perasafe	Antec International	Peracetic acid	15
 Sekusept Aktiv	Ecolab	Peracetic acid	15
 TD-100 & TD-5	CS Medical	Glutaraldehyde	Auto
 TD-100 & TD-8	CS Medical	Ortho-phtalaldehyde	Auto
 Anoxyde 1000	Laboratoires Anios	Peracetic acid	15
 Cidex	Johnson&Johnson	Glutaraldehyde	45
 Cidex OPA	Johnson&Johnson	Ortho-phtalaldehyde	12
 Cidex Plus	Johnson&Johnson	Glutaraldehyde	45
 DisOPA	Johnson&Johnson	Ortho-phtalaldehyde	12
 Nu-Cidex	Johnson&Johnson	Peracetic acid	15
 Metricide	Metrex Research Corp.	Glutaraldehyde	45
 Wavicide-01	Medical chemical Corp.	Glutaraldehyde	45

The TEE probe handle and cable can be cleaned with disinfectant wipe

Disinfectant	Manufacturer	Method
*** Tristel Sporicidal Wipe - Activated Wipe	Tristel Solutions Limited	Wipes
*** Tristel Trio Wipes System	Tristel Solutions Limited	Wipes

There are symbols placed after the values listed under the PRODUCT category below to denote effectiveness claims made by governing bodies or manufacturers for COVID-19.

\* [United States Environmental Protection Agency \(EPA\) website](#)

\*\* [CDC guideline](#) on disinfection and sterilization in healthcare facilities

\*\*\* Cleaning agent manufacturer claims effectiveness

# TEE Probe Care Card

(6VT-D / 6TC / 6TC-RS / 9T / 9T-RS)

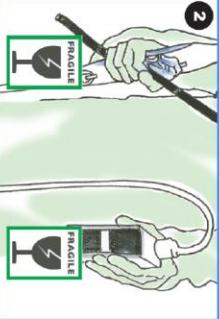
## ENGLISH

### Immersion process

The expected service life of the TEE probe is 5 years or 3,550 adult/1,130 pediatric use cycles (whichever comes first), provided the user follows the maintenance and care instructions on this card and in the user manual.



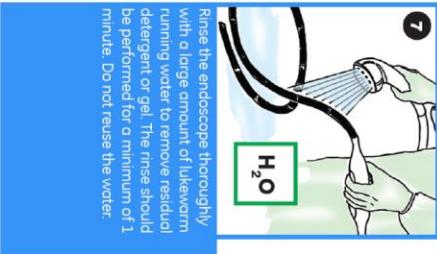
We strongly recommend not to apply anaesthetic sprays directly to the endoscope. With the exception of neonate, it is important to use a bite guard during the probe intubation, the examination and the extubation. Keep the bite guard in place until the probe is completely extubated.



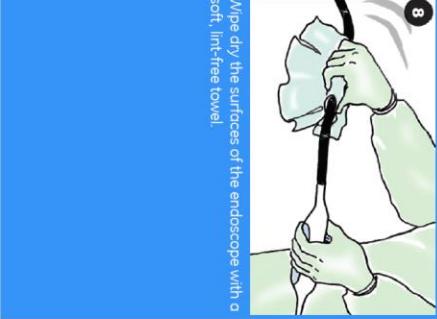
Handle the probe with care. Do not drop the connector or scanhead. Use a disposable scanhead protection cover when carrying the probe.



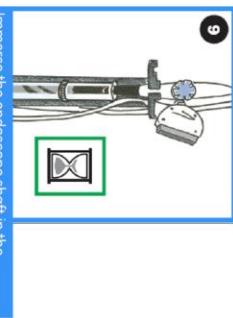
Proceed the TEE probe immediately after extraction from the patient. Do not allow bodily fluids to dry on the probe.



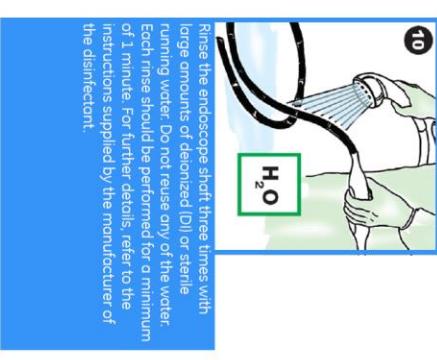
Rinse the endoscope thoroughly with a large amount of lukewarm running water to remove residual detergent or gel. The rinse should be performed for a minimum of 1 minute. Do not reuse the water.



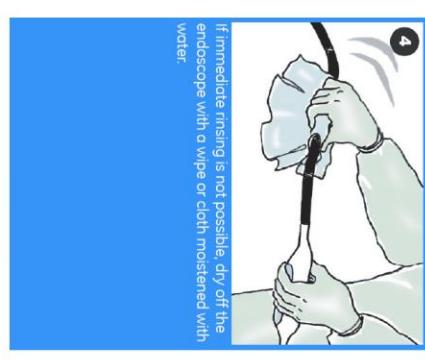
Wipe dry the surfaces of the endoscope with a soft, lint-free towel.



Immerse the endoscope shaft in the disinfection fluid (Table 1). Follow the chemical manufacturer's instructions. Specifically, adhere to dilution rates, temperature requirements and soak times. **CAUTION!** Overexposure to the disinfection fluid can damage the probe.



Rinse the endoscope shaft three times with large amounts of deionized (DI) or sterile running water. Do not reuse any of the water. Each rinse should be performed for a minimum of 1 minute. For further details, refer to the instructions supplied by the manufacturer of the disinfectant.



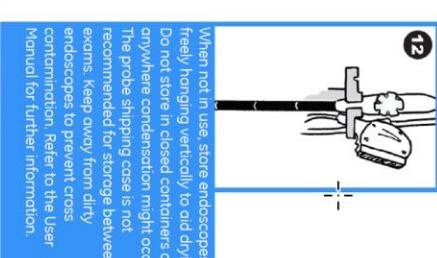
If immediate rinsing is not possible, dry off the endoscope with a wipe or cloth moistened with water.



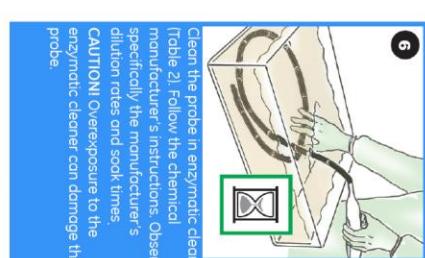
Dry the probe with a soft, lint-free towel before storing.



Rinse the endoscope thoroughly with a large amount of lukewarm running water. The rinse should be performed for a minimum of 1 minute. Do not reuse the water.



When not in use, store endoscopes freely hanging vertically to aid drying. Do not store in closed containers or anywhere condensation might occur. The probe snapping case is not recommended for storage between exams. Keep away from dirty contamination. Refer to the User Manual for further information.



Clean the probe in enzymatic cleaner (Table 2). Follow the chemical manufacturer's instructions. Observe specifically the manufacturer's dilution rates and soak times. **CAUTION!** Overexposure to the enzymatic cleaner can damage the probe.

Table 1: High level disinfectants			
Solutions	Manufacturer	Active ingredients	[minute]
Peracetic	Antec International	Peracetic acid	15
Sekusept Aktiv			
Ecolab		Peracetic acid	15
TD-100 & TD-5	CS Medical	Glutaraldehyde	Auto
TD-100 & TD-8		Ortho-phenol-aldehyde	
Antioxite 1000	Laboratoires Anios	Peracetic acid	15
Cidex	Johnson & Johnson	Glutaraldehyde	45
Cidex-OPA	Johnson & Johnson	Ortho-phenol-aldehyde	12
Cidex Plus	Johnson & Johnson	Glutaraldehyde	45
DISPA	Johnson & Johnson	Ortho-phenol-aldehyde	12
Nu-Cidex	Johnson & Johnson	Peracetic acid	15
Metricide	Matrex Research Corp.	Glutaraldehyde	45
Wavicide-01	Medical Chemical Corp.	Glutaraldehyde	45

Table 2: Enzymatic cleaners

Solutions	Manufacturer	Active ingredients	[minute]
Cidexzyme/Enzol	Johnson & Johnson	Subtilisins	5
Prolystica		Subtilisins	5
Medizime	CS Medical	Subtilisins	3
Hexonox G+R	Laboratoires Anios	Quaternary Ammoniums	15
Antisyme DD1	Laboratoires Anios	Biguanide derivatives	15
Salvanox pH7	Laboratoires Anios		15

Note: Use lukewarm solutions, not exceeding 45 °C.

Refer to this website for the complete list of chemicals compatible to TEE materials:

[http://www3.gehealthcare.com/en/products/categories/ultrasound/ultrasound\\_probes](http://www3.gehealthcare.com/en/products/categories/ultrasound/ultrasound_probes)

