Cleaning and Disinfecting Guide

Disinfectant List for DR Systems

· The following disinfectants can be used to disinfect appearance & cover of digital X-ray systems
: GC85A, GM85, GC80, GC70

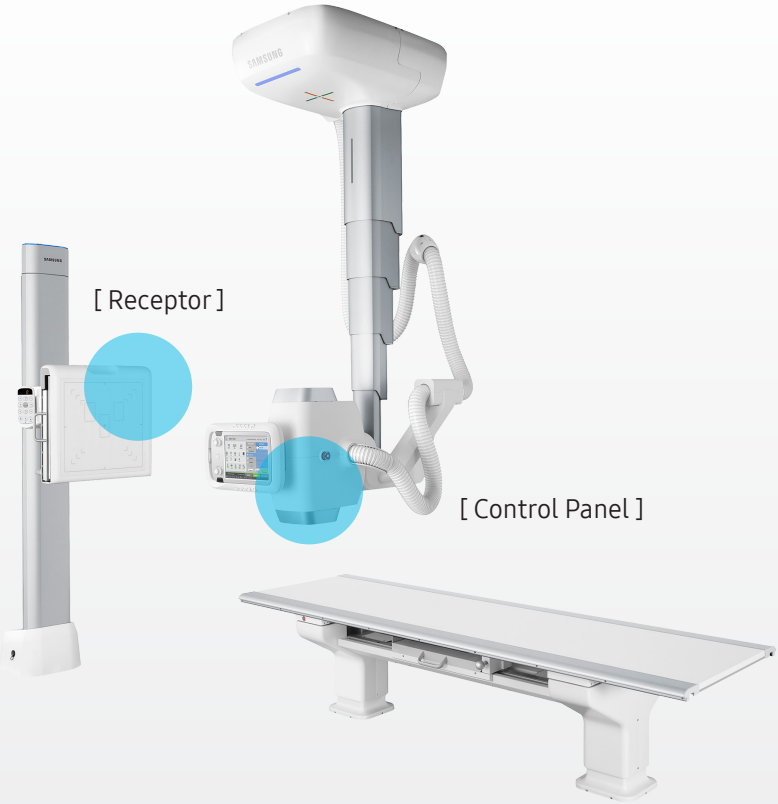
Name	Manufacture	Active Ingredient	CBC※	EPA※
Accel PREvention Wipes	Diversey Canada, Inc.	Hydrogen peroxide		
ALI-FLEX RTU	Lalema	Sodium hypochlorite		
ANIOSURF Premium NPC	ANIOS	Quaternary Ammonium(N-Alkyl)		
ANIOS社 surfa'safe	ANIOS	Quaternary Ammonium(N-Alkyl)		
Cleanisept Wipes MAXI	Dr.Schumacher GmbH	Quaternary Ammonium(N-Alkyl)		
CLOROX Bleach Germicidal	The Chlorox Company	Sodium hypochlorite	○	○
Dettol	Reckitt Benckiser	Quaternary Ammonium(N-Alkyl)		
Ecolab Actichlor plus	Ecolab	Troclosene sodium		
ED Wipes	MH healthcare	Quaternary Ammonium(N-Alkyl)		
Enzysept PLUS Wipes	Wooil C&Tech	Quaternary Ammonium(N-Alkyl)		
Incidin OxyWipes	Ecolab	Hydrogen peroxide		
Metricide-OPA plus	Metrex	Ortho-phthalaldehyde		
Perasafe	LANXESS Deutschland GmbH	Citric acid		
Protex Ultra	Parker Laboratory Inc.	Quaternary Ammonium(N-Alkyl)		
SaFecide + (Sensitive wipes 200)	Liebecos	Quaternary Ammonium(N-Alkyl)		
Sani Cloth Active wipes	PDI	Quaternary Ammonium(N-Alkyl)		
Sani Cloth Universal wipes	PDI	Quaternary Ammonium(N-Alkyl)		
Sani-cloth bleach	PDI	Sodium hypochlorite	○	○
Sani-Cloth HB	PDI	Quaternary Ammonium(N-Alkyl)		
Sodium hypochlorite	Yuhan Chlorox	Hypochlorous acid		
Sono Ultrasound Wipes	Advanced Ultrasound Solutions Inc.	Quaternary Ammonium(N-Alkyl)	○	
Sporox II	DSHealthcare Inc.	Hydrogen peroxide		
Tristel duo	Tristel Solutions Limited	Chlorine dioxide		
Tristel Sporicidal Wipe	Tristel Solutions Limited	Chlorine dioxide		
T-spray II	Pharmaceutical Innovations, Inc.	Quaternary Ammonium(N-Alkyl)		
Virkon S	LANXESS	Pentapotassium, Succinic acid		
Wip Anios Excel	Laboratoires Anios	Quaternary Ammonium(N-Alkyl)		

※ Recommended by CDC (Centers for Disease Control and Prevention) for USA Market.
CBC : Center for Biocide Chemistries.
EPA : Environment Protection Agency

Cautions & Warnings for disinfecting DR system

· Use only cleaning agents and disinfectants included in the list, especially for marked areas.

· Rub the product carefully with soft cloth when using disinfectants.

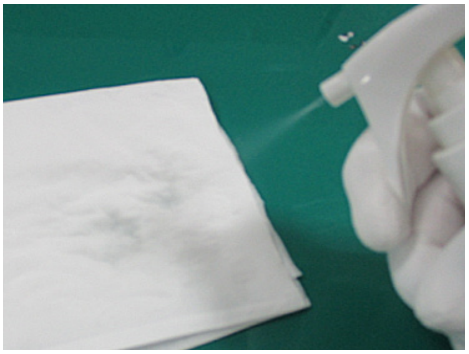


· Be careful not to let liquids or other substances get inside

: Do not spray directly on the product, use a cloth or tissue.

※ Wear a face mask and gloves when cleaning or disinfecting the product.

※ Do not clean any electrical connectors, it can cause an electric shock or fire.



Clean the surface in accordance with the disinfectant manufacturer's instructions (Temp, wiping/contact time etc.)

Disinfectant List for Detector All

· The following disinfectants can be used to disinfect detectors

: S-Detector™ (S4343-W, S4335-W, S3025-W), AccE Detector (S4343-AW, S4335-AW), AccE Standard Detector (S4343-AWM, S4335-AWM), AccE Glass-Free Detector (F4335-AW)

Name	Manufacture	Active Ingredient	CBC※	EPA※
Accel PREvention Wipes	Diversey Canada, Inc.	Hydrogen peroxide		
ALI-FLEX RTU	Lalema	Sodium hypochlorite		
ANIOSURF Premium NPC	ANIOS	Quaternary Ammonium(N-Alkyl)		
ANIOS社 surfa'safe	ANIOS	Quaternary Ammonium(N-Alkyl)		
Anioxyde 1000	Laboratoires Anios	Peracetic acid		
Azomax	Vernacare	5-chloro-2-methyl-2h-isothiazol-3-one		
Cleanisept Wipes	Dr.Schumacher GmbH	Quaternary Ammonium(N-Alkyl)		
Cleanisept wipe forte	Dr.Schumacher GmbH	Quaternary Ammonium(N-Alkyl)		
Cleanisept Wipes MAXI	Dr.Schumacher GmbH	Quaternary Ammonium(N-Alkyl)		
Clinell Sporicidal wipes	GAMA Healthcare Ltd	Sodium Percarbonate		
Clinell Universal Wipes	GAMA Healthcare Ltd	Quaternary Ammonium(N-Alkyl)		
CLOROX Bleach Germicidal	The Chlorox Company	Sodium hypochlorite	○	○
CN'F	CARROLLASIA Co.,LTD	Alcohol		
Dettol	Reckitt Benckiser	Quaternary Ammonium(N-Alkyl)		
Distel Disinfectant Wipes	Tristel	Polymeric Biguanide Hydrochloride		
Ecolab Actichlor plus	Ecolab	Troclosene sodium		
ED Wipes	MH healthcare	Quaternary Ammonium(N-Alkyl)		
Enzysept PLUS Wipes	Wooil C&Tech	Quaternary Ammonium(N-Alkyl)		
Incidin OxyWipes	Ecolab	Hydrogen peroxide		
Lysoform	Lysoform	Formaldehyde		
Metricide-OPA plus	Metrex	Ortho-phthalaldehyde		
Mikrobac Tissues	BODE Chemie GmbH (HARTMANN)	Quaternary Ammonium(N-Alkyl)		
Perasafe	LANXESS Deutschland GmbH	Citric acid		
Protex Ultra	Parker Laboratory Inc.	Quaternary Ammonium(N-Alkyl)		
SaFecide + (Medical wipes 200)	Liebecos	Alcohol		
SaFecide + (Sensitive wipes 200)	Liebecos	Quaternary Ammonium(N-Alkyl)		
Sani-cloth bleach	PDI	Sodium hypochlorite	○	○
Sani-Cloth HB	PDI	Quaternary Ammonium(N-Alkyl)		
Sani-Cloth Super	PDI	Quaternary Ammonium(N-Alkyl)		
Sodium hypochlorite	Yuhan Chlorox	Hypochlorous acid		
Sono Ultrasound Wipes	Advanced Ultrasound Solutions Inc.	Quaternary Ammonium(N-Alkyl)	○	
Sporox II	DSHealthcare Inc.	Hydrogen peroxide		
Tristel duo	Tristel Solutions Limited	Chlorine dioxide		
Tristel Sporicidal Wipe	Tristel Solutions Limited	Chlorine dioxide		
Trophon Companion wipe	Nanosonics Limited	Quaternary Ammonium(N-Alkyl)		
T-spray II	Pharmaceutical Innovations, Inc.	Quaternary Ammonium(N-Alkyl)		
Virkon S	LANXESS	Pentapotassium, Succinic acid		
Wip Anios Excel	Laboratoires Anios	Quaternary Ammonium(N-Alkyl)		

※ Recommended by CDC (Centers for Disease Control and Prevention) for USA Market.
CBC : Center for Biocide Chemistries.
EPA : Environment Protection Agency

Cleaning Guide for S-Detector™ & AccE Detector

Cleaning

· Always turn off the equipment completely before cleaning.

· Do not insert liquids into the system.

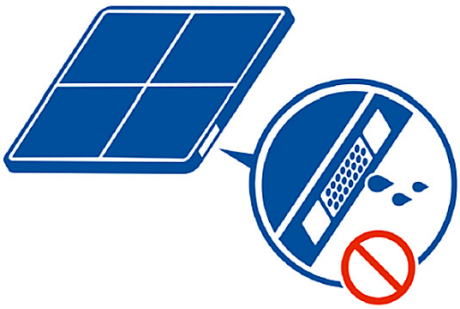
· When cleaning the exterior of the system, use a soft cleaning cloth dampened with tepid Water and soap.

Liquid intrusion

· Do not spill liquid or chemicals onto the instrument or, in cases where the patient is injured, do not allow it to become wet with blood or other body fluids, as doing so may result in fire or electric shock.

In such situation, protect the instrument with disposable covering as necessary.

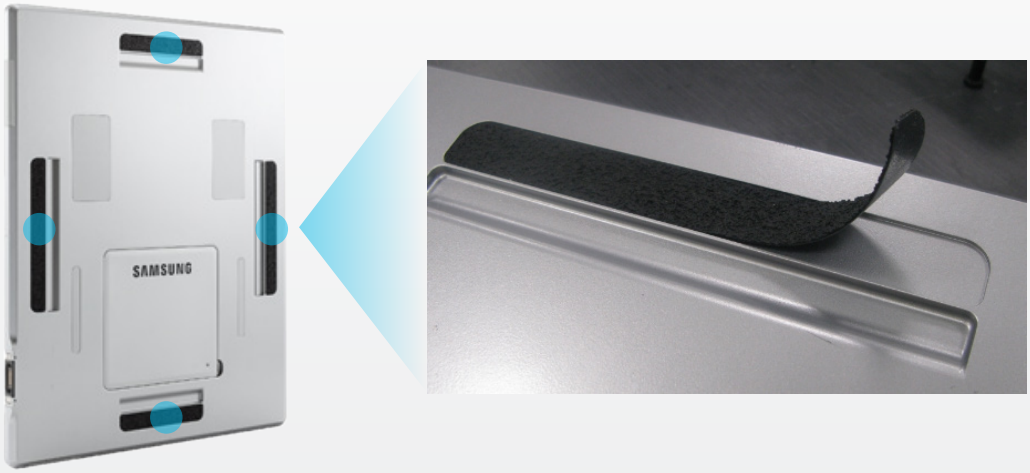
S-Detector™ only



Cleaning Guide for AccE Detector

· Recommended using a commercial plastic brush when cleaning non-slip pads.

· If need, non-slip pad can be exchanged or detached.



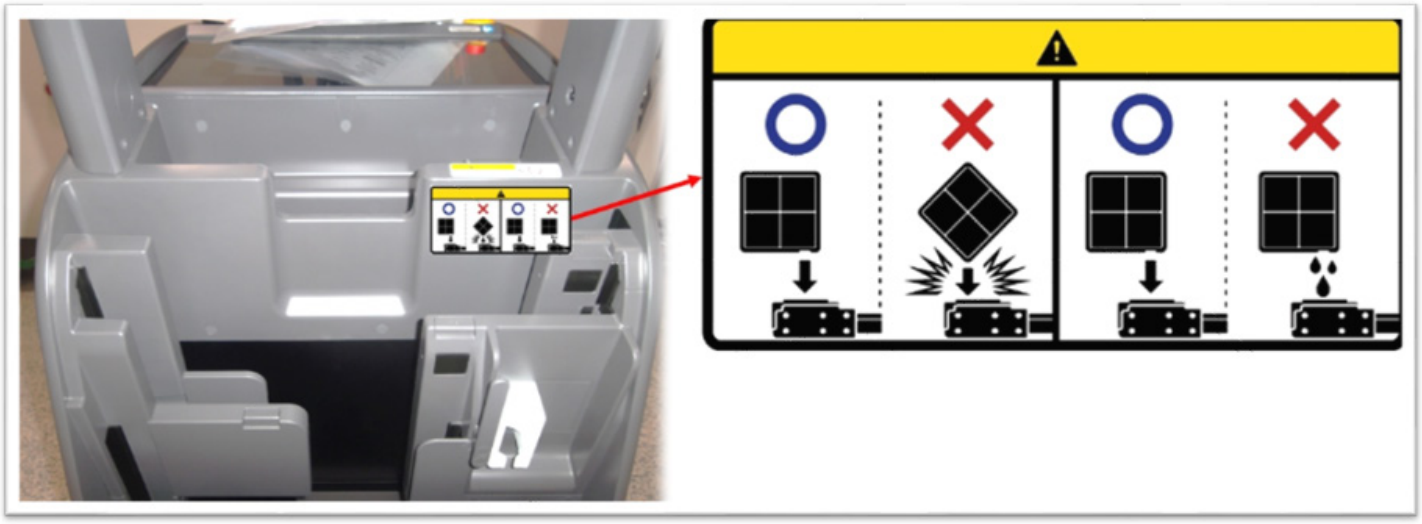
Usage Guide for Detector Storage

· Detector has to be equipped properly.

· If you equip the detector in the storage rear for charging or moving with too much force or diagonally, pogo pin on the main cable connector may get damaged.

· There shouldn't be any moisture on the detector connector before equipping detector.

· If you equip the detector on the storage rear before completely removing moisture after cleansing, the moisture may get on the main cable connector, resulting in the damage of pogo pin.



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Cleaning and Disinfecting the Ultrasound System

System/Monitor/Probe

January, 2021
Revision 10
MI68-02691N_H_EN

3366, Hanseo-ro, Nam-myeon, Hongcheon-gun, Gangwon-do, Republic of Korea
www.samsunghealthcare.com

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Disinfectants for System Surfaces (With Monitor)

The following disinfectant matrix indicates which disinfectants are compatible with specific system areas.

Please be cautious to avoid damage by only using approved disinfectants on areas listed.

No	Product Name	Active Ingredient	Manufacturer	Type	Body Surface	Control Panel	Monitor
1	Accel® INTERVention™ Wipes	Hydrogen peroxide	Diversey	Wipe	○	*	○
2	Accel® Prevention Wipes	Hydrogen peroxide	Diversey	Wipe	*	○	
3	ANIOSURF Premium NPC	Quaternary Ammonium (N-Alkyl)	Laboratoires Anios	Liquid	○	○	○
4	Avert Sporicidal disinfectant cleaner	Sodium hypochlorite	US Headquarters Diversey, Inc.	Liquid		○	
5	AZO detergent wipe	Isopropanol (70%)	Synergy Health Ltd	Wipe	*	○	
6	Azomax	2methyl-2h-isothiazol-3-one polyhexamethylene biguanide	Synergy Health Ltd	Wipe	*	○	
7	CLEANISEPT® WIPES FORTE	Quaternary Ammonium (N-Alkyl)	Dr.Schumacher GmbH	Wipe	○	*	○
8	Clinell Detergent Wipes (Yellow)	Lauryl Polyglucose, Butoxydiglycol	GAMA Healthcare Ltd	Wipe	○	*	
9	Clinell Sporicidal wipes	Citric acid	GAMA Healthcare Ltd	Wipe	○	○	
10	Clinell Universal Santitising wipes (Clinell Universal Wipes)	Quaternary Ammonium (N-Alkyl)	GAMA Healthcare Ltd	Wipe	*	○	○
11	Clorox Healthcare® Bleach Germicidal Wipes	Sodium Hypochlorite	The Clorox Company	Wipe	○	○	○
12	Clorox regular (Clorox regular1: water10)	Sodium Hypochlorite	The Clorox Company	Liquid	○	○	○
13	CN'F	Alcohol	Neo Medical	Liquid	*	○	○

No	Product Name	Active Ingredient	Manufacturer	Type	Body Surface	Control Panel	Monitor
14	Dispatch@ Hospital Cleaner Disinfectant Towels with Bleach		The Clorox Company	Wipe	○	○	
15	Ecolab Actichlor Tablets	Adipic acid, Sodium Carbonate	Ecolab	Tablet	○	○	
16	ED Wipes	Quaternary Ammonium (N-Alkyl)	MH healthcare	Wipe	○	○	○
17	Enzysept PLUS Wipes	Quaternary Ammonium (N-Alkyl)	Wooil C&Tech	Wipe	○	○	○
18	Ethanol 80%	Ethanol 80%	All manufacture	Liquid	*	○	
19	Incidin™ Oxy Wipe	Hydrogen peroxide	ECOLAB	Wipe	*	○	○
20	Meliseptol Wipes Sensitive	Quaternary Ammonium (N-Alkyl)	B. Braun Medical AG	Wipe	*	○	
21	Oxivir® Tb Wipes	Hydrogen peroxide	Diversey	Wipe	*	○	○
22	Perasafe	Citric acid	LANXESS Deutschland GmbH	Powder	○	○	○
23	PROTEX® ULTRA DISINFECTANT WIPES	Quaternary Ammonium (N-Alkyl)	Parker Laboratory Inc.	Wipe	○	○	○
24	saFecide Medical wipes	Alcohol	Liebecos	Wipe	*	○	○
25	saFecide Sensitive wipes	Quaternary Ammonium (N-Alkyl)	Liebecos	Wipe	*	○	○
26	Sani-Cloth® Active wipes		PDI	Wipe	○	*	
27	Sani-Cloth® bleach Germicidal Disposable Wipe	Sodium Hypochlorite	PDI	Wipe	○	○	○
28	Sani-Cloth® Detergent wipes		PDI	Wipe	*	○	
29	Sani-Cloth® HB Germicidal Disposable Wipe	Quaternary Ammonium (N-Alkyl)	PDI	Wipe	*	○	○

No	Product Name	Active Ingredient	Manufacturer	Type	Body Surface	Control Panel	Monitor
30	SciCan Optim 33TB Surface CleaneDisinfectant Wipes	Hydrogen peroxide	SciCan	Wipe	*	○	
31	Sono Ultrasound Wipes	Quaternary Ammonium (N-Alkyl)	Advanced Ultrasound Solutions Inc.	Wipe	*	○	○
32	Super Sani-Cloth® Germicidal Disposable Wipe	Quaternary Ammonium (N-Alkyl)	PDI	Wipe	*	○	○
33	Super Sani-Cloth® Plus Wipes		PDI	Wipe	*	○	
34	Surfa'safe	Quaternary Ammonium (N-Alkyl)	Laboratoires Anios	Liquid (Spray)	○	○	○
35	terralin® liquid	Alcohol	Schülke & Mayr GmbH	Liquid	*	○	
36	Tristel duo	Chlorine dioxide	Tristel Solutions Ltd.	Foam	*	○	○
37	Tristel Sporicidal Wipe	Chlorine dioxide	Tristel Solutions Ltd.	Wipe	*	○	○
38	Trophon® companion cleaning wipes	Quaternary Ammonium (N-Alkyl)	Nanosonics Limited	Wipe	*	○	
39	T-Spray II	Quaternary Ammonium (N-Alkyl)	Pharmaceutical Innovations, Inc.	Liquid (Spray)	○	○	○
40	Tuffie large detergent wipes	Ethylan CPG, Betain 810	Vernacare	Wipe	*	○	
41	Virkon S	Potassium peroxymonosulfate	Lanxess Corporation	Powder	○	○	
42	Wip'Anios Excel wipes	Quaternary Ammonium (N-Alkyl)	Laboratoires Anios	Wipe	○	○	○
43	Yuhanrox regular (Yuhanrox regular1: water10)	Sodium Hypochlorite	Yuhan clorox	Liquid	○	○	○

○	Compatible
*	If the disinfectant is used on non-approved area, it may result in surface cracking or discoloration.

CAUTION:

- Using an inappropriate disinfection procedure may damage the system. Make sure that you check the disinfectant's expiry date.
- Mix the disinfectant solution to the strength specified on the instruction of the disinfectant manufacturer.
- When using a disinfectant, wipe it carefully with a soft cloth.
- Air dry the device according to the disinfectant manufacturer's instruction, or remove water from all surface of the device using a sterile, lint-free cloth.
- Examine the device for damage such as cracks, splitting, sharp edges, or projections. If such damage is found, discontinue use of the device and contact your Samsung Medison representative.
- Repeated use of disinfectants may cause discoloration.

Using Ultrasound Gel

For successful acoustic signal transmission, please only use the ultrasound gels approved by Samsung Medison.

WARNING:

- The use of inappropriate ultrasound gels could result in damage to the probe. Using damaged probes may result in electric shocks and other hazards to the patients and/or users.
- Do not use ultrasound gels or coupling media that contain any of the following agents:
  - Oils such as mineral oil, cooking oil, gasoline, solvents, rust inhibitors, lanolin, paraffin-based grease, ester, and excessive silicon-based release agents;
  - Alcohols, such as acetone, methanol, and plasticizer (dioctylphtalate), or denatured alcohol;
  - Glacial acetic acid and iodine; or
  - All types of lotion or gel that contain aromatic substances

CAUTION:

- When applying the ultrasonic gel to the probe, make sure that the tip of the gel tube does not touch the surface of the probe lens.
- The tip of the gel tube may cause damage to the probe lens.

Cleaning, Disinfecting, and Sterilizing the Probe

All probes must be cleaned and disinfected after each use. Cleaning is an important procedure that must be carried out before disinfecting the probe. For information on cleaning and disinfecting the probe, please refer to 'Cleaning, Disinfecting, and Sterilizing the Probe' in the 'Probes' chapter of the user manual. Using an inappropriate disinfectant may damage the probe.

WARNING:

- Always use protective equipment such as face mask, eyewear, and gloves when cleaning, disinfecting, and sterilizing probes.
- Inspect the housing, strain relief, lens and seal for damage, and check for any functional degradation after cleaning and disinfecting the probe.
- Using an inappropriate cleaning or disinfecting agent may damage the probe.

Information on Detergent, Disinfectant, and Ultrasound Gel

Reprocessing Method by Probe Type

To maintain the performance of ultrasound probes, proper maintenance is required.

As ultrasound probes are classified into critical, semi-critical or non-critical devices based on the standards of FDA guidance* and the Hygiene Requirements for the Reprocessing of Medical Devices from Germany guideline of Robert Koch Institute (RKI), proper cleaning and disinfection or sterilization methods for that classification should be used. Therefore, you should use the cleaning, disinfection, and sterilization methods appropriate for each classification.

Choosing the Correct Probe-Care Method in below Table

Classification Criteria	Contact Area	Application Probe	Level Selection
Non-critical medical devices	Intact skin	Curved, Linear, and Phased array probes	Low level disinfection
Semi-critical medical devices	Mucous membrane, damaged skin	Endocavity, MPTEE	High level disinfection or sterilization
Critical medical devices	Blood, sterile tissue, etc.	Intraoperative	Sterilization

* Guidance for Industry and FDA Staff – Marketing Clearance of Diagnostic Ultrasound Systems and Transducers - Appendix E

* The FDA reprocessing guidance 'Reprocessing Medical Devices in Health Care Settings: Validation Methods and Labeling, Guidance for Industry and Food and Drug Administration Staff' March 17, 2015, (https://www.fda.gov/media/80265/download)

The care method for your probes determines the appropriate disinfectant for your probe. An appropriate detergent, disinfectant or ultrasound gel should be used for all probes. For details about compatible detergent, disinfectants, and ultrasound gel, please see 'Disinfectants Matrix' on Samsung Medison website and the User Guide.

- User Guide: This is provided as a booklet upon purchase of the product.

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EC REP Samsung Electronics GmbH
Am Kronberger Hang 6, 65824 Schwalbach
am Taunus GERMANY

Disinfectants Matrix

3D

No.	Classification	Name	Type	Disinfectant Level	Manufacture	Active Ingredient	CV1-8A CV1-8AD	3DC2-6	3D2-6 3D2-6ET	V2-6	3D4-8 3D4-8ET	V4-8	VE4-8	VN4-8	3D4-9 3D4-9ES	V5-9	EV3-10B	LV3-14A V6-12	EV2-10A
1	Cleaner	Alkazyme	Liquid	Cleaner	Alkapharm	Proteolytic Enzymes													
2	Cleaner	Cidezyme	Liquid	Cleaner	Advanced Sterilization Products	Proteolytic Enzymes	○							○					○
3	Cleaner	Trophon® companion cleaning wipes	Wipe	Cleaner	Nanosonics Limited	Quaternary Ammonium(N-Alkyl)													
4	Cleaner	Enzol	Liquid	Cleaner	Johnson&Johnson	Proteolytic Enzymes	●							●		●			●
5	Cleaner	Ethanol 75%	Liquid	Cleaner	All manufacure	Alcohol													
6	Cleaner	Isopropyl alcohol 70%	Liquid	Cleaner	All manufacure	Alcohol	○	○						○					○
7	Cleaner	Klenzyme	Liquid	Cleaner	Steris	Proteolytic Enzymes	○	○	○		○			○		○(10)	○(10)		
8	Cleaner	McKesson Alcohol Prep Pad Sterile	Wipe	Cleaner	McKesson Medical-Surgical Inc.	Alcohol	○							○					
9	Cleaner	Metrizyme	Liquid	Cleaner	Metrex	Proteolytic Enzymes	○		×		×			○					
10	Cleaner	Aniosyme DD1	Liquid	Cleaner	Anios	Proteolytic Enzymes									○		○		
11	Disinfectants	Protex disinfectant spray	Spray	Low	Parker Laboratories, Inc.	Quaternary Ammonium(N-Alkyl)	○			○		○		○		○	○	○	
12	Disinfectants	Anios Excel Surface Premium	Liquid	Low	Anios	Quaternary Ammonium(N-Alkyl)	○	○						○					
13	Disinfectants	Clinell Universal Santitising wipes	Wipe	Low	GAMA Healthcare Ltd	Quaternary Ammonium(N-Alkyl)	●	●	●	●	●	●	●	●		●	●	●	
14	Disinfectants	Asepti-Wipes	Wipe	Low	Ecolab	Quaternary Ammonium(N-Alkyl)													
15	Disinfectants	Asepti-Wipes II	Wipe	Low	Ecolab	Quaternary Ammonium(N-Alkyl)													
16	Disinfectants	Bleach 5.25%	Liquid	Low	All manufacure	Sodium Hypochlorite													
17	Disinfectants	CaviWipes	Wipe	Low	Metrex	Alcohol				●						●	●		
18	Disinfectants	Cleanisept Wipe forte	Wipe	Low	Dr.Schumacher GmbH	Quaternary Ammonium(N-Alkyl)	●	●						●		●	●		
19	Disinfectants	Cleanisept Wipes	Wipe	Low	Dr.Schumacher GmbH	Quaternary Ammonium(N-Alkyl)	●	●				●	●(15)	●			●	●(15)	●
20	Disinfectants	Gigasept AF	Liquid	Low	Schulke	Quaternary Ammonium(N-Alkyl)	○			○				○			○	○	
21	Disinfectants	Incidin Foam	Spray	Low	Ecolab	Quaternary Ammonium(N-Alkyl)													
22	Disinfectants	MetriWipes	Wipe	Low	Metrex	Alcohol													
23	Disinfectants	Milton anti bacterial solution	Liquid	Low	Milton	Sodium Hypochlorite	○							○					
24	Disinfectants	Nuclean	Liquid	Low	Alkapharm	Alcohol	○							○					
25	Disinfectants	Sani-Cloth Active	Wipe	Low	PDI	Quaternary Ammonium(N-Alkyl)	●			●		●		●		●	●	●(15)	
26	Disinfectants	Sani-Cloth AF Germicidal	Wipe	Low	PDI	Quaternary Ammonium(N-Alkyl)						●				●	●		
27	Disinfectants	Sani-Cloth AF3 Germicidal	Wipe	Low	PDI	Quaternary Ammonium(N-Alkyl)	●	●				●		●		●	●		
28	Disinfectants	Sani-Cloth Bleach Germicidal	Wipe	Low	PDI	Sodium Hypochlorite	●	●				●		●		●	●		●
29	Cleaner	Endozime	Liquid	Cleaner	The Ruhof Corporation	Proteolytic Enzymes	○							○			○		
30	Disinfectants	Sani-Cloth HB	Wipe	Low	PDI	Quaternary Ammonium(N-Alkyl)	●		×		×	●	●(30)	●		●	●		
31	Disinfectants	Sani-Cloth Plus	Wipe	Low	PDI	Quaternary Ammonium(N-Alkyl)	●							●		●	●		
32	Disinfectants	Septiwipes	Wipe	Low	MEDICALIS	Quaternary Ammonium(N-Alkyl)						●	●(15)				●	●(15)	
33	Disinfectants	Sonowipes	Wipe	Low	Advanced Ultrasound Solutions Inc.	Quaternary Ammonium(N-Alkyl)	●							●					
34	Disinfectants	Ster-Bac Blu	Liquid	Low	Ecolab	Quaternary Ammonium(N-Alkyl)			×		×	○	○(50)						
35	Disinfectants	Super Sani-cloth	Wipe	Low	PDI	Quaternary Ammonium(N-Alkyl)	●							●		●	●		
36	Cleaner	Transeptic spray	Spray	Cleaner	Parker Laboratories, Inc.	Alcohol	○							○			○		
37	Disinfectants	T-Spray	Spray	Low	Pharmaceutical Innovations, Inc.	Quaternary Ammonium(N-Alkyl)	○	○	○	○	○	○	○	○			○	○(20)	
38	Disinfectants	T-SprayII	Spray	Low	Pharmaceutical Innovations, Inc.	Quaternary Ammonium(N-Alkyl)	○	○	○	○	○	○	○	○		○	○	○(20)	
39	Disinfectants	Anioxyde 1000	Liquid	High	Anios	Peracetic Acid	○	○						○		○	○	○	○
40	Disinfectants	Cidex	Liquid	High	Advanced Sterilization Products	Glutaraldehyde	○	○	○	○	○	○	○(50)	○		○	○(50)	○	
41	Disinfectants	Cidex OPA	Liquid	High	Advanced Sterilization Products	Ortho-phthalaldehyde	○	○	○	○	○		○(15)	○	○	○(15)	○(15)	○(15)	
42	Disinfectants	Cidex Plus	Liquid	High	Advanced Sterilization Products	Glutaraldehyde	○	○	○	○	○			○	○	○(25)	○(25)		○
43	Disinfectants	Gigasept	Liquid	High	Schulke	Succindialdehyde, formaldehyde			×		×						○(30)		
44	Disinfectants	Gigasept FF	Liquid	High	Schulke	Succindialdehyde	×		×		×	○	○(30)	×			○(30)	○(30)	
45	Disinfectants	Hibitane	Liquid	High	Regent Medical	Chlorhexidine gluconate													
46	Disinfectants	Metricide	Liquid	High	Metrex	Glutaraldehyde	○		×		○	○	○(50)	○		○	○(50)	○(50)	
47	Disinfectants	Metricide 28	Liquid	High	Metrex	Glutaraldehyde						○					○		
48	Disinfectants	Metricide 30	Liquid	High	Metrex	Glutaraldehyde	○							○			○	○	
49	Disinfectants	Metricide OPA Plus	Liquid	High	Metrex	Ortho-phthalaldehyde	○	○						○		○	○		○
50	Disinfectants	Omnicide - FG2	Liquid	High	Coventry Chemicals Limited	Glutaraldehyde	○							○					
51	Disinfectants	Omnicide14	Liquid	High	METREx RESEARCH CORPORATION	Glutaraldehyde													
52	Disinfectants	Omnicide28	Liquid	High	METREx RESEARCH CORPORATION	Glutaraldehyde													
53	Disinfectants	PeraSafe*	Powder	High	Dupont	Citric Acid	○	○	×		×	○	○(15)	○		○(15)	○(15)	○(15)	○
54	Disinfectants	Salvanios pH 7	Liquid	High	Anios	Glutaraldehyde													
55	Disinfectants	Salvanios pH10	Liquid	High	Anios	Glutaraldehyde													
56	Disinfectants	Sekusept Extra	Liquid	High	Ecolab	Glutaraldehyde			×		×								
57	Disinfectants	Sekusept Plus	Liquid	Low	Ecolab	Glucoprotamin										○(30)	○(30)		
58	Disinfectants	Sporox	Liquid	High	DSHealthcare Inc.	Hydrogen Peroxide	○	×	×		×			○	○				
59	Disinfectants	SporoxII	Liquid	High	DSHealthcare Inc.	Hydrogen Peroxide	○	×	×		×			○	○				○
60	Disinfectants	Steranios 2%	Liquid	High	Anios	Glutaraldehyde										○	○		
61	Disinfectants	REVITAL OX RESERT	Liquid	High	Steris	Hydrogen Peroxide	○							○		○	○	○	○
62	Disinfectants	Surfaces Hautes	Spray	High	Anios	Glutaraldehyde													
63	Disinfectants	Tristel Duo	Foam	High	Tristel Solutions Limited	Chlorine dioxide	○	○						○	○	◆	◆		○
64	Disinfectants	Tristel Sporicidal Wipe	Wipe	High	Tristel Solutions Limited	Chlorine dioxide	○	○						○	○		○		
65	Disinfectants	Virkon*	Powder	High	Dupont	Potassium peroxymonosulfate													
66	Disinfectants	Wavicide-01	Liquid	High	National Therapy Products Inc.	Glutaraldehyde	×	○	×		○	○	○(50)	○		○(50)	○(50)	○(50)	
67	Disinfectants	Gigasept PAA	Liquid	High	Schulke	Hydrogen peroxide, Acetic Acid, Peracetic Acid													
68	Disinfection System	Antigermix S1	UV	High	Germitec	UV-C	★									★			
69	Disinfection System	Trophon	Vapor	High	Nanosonics Limited	Hydrogen Peroxide	○		○	○	○	○	○	○	◆	◆	◆	○	◆
70	Disinfection System	Trophon2	Vapor	High	Nanosonics Limited	Hydrogen Peroxide	○		○	○	○	○	○	○	◆	◆	◆	○	◆
71	Gel	Aquasonics 100	Gel	Gel	Parker Laboratories, Inc.	NA	○	○	○	○	○	○	○	○	○	○	○	○	○
72	Gel	Clear Image	Gel	Gel	NEXT Medical Products	NA													
73	Gel	Natural Image	Gel	Gel	Sonotech Inc.	NA													

Convex

No.	Name	C1-4EC	CS1-4	SC1-6	CA1-7A CA1-7AD	C2-4/20	C2-4ES	C2-5	CA2-6BM	C2-6 C2-6IC	CN2-8	C2-8 C2-8ED	CA2-8A CA2-8AD CF2-8	CA2-9A CA2-9AD	C3-7EP	CA3-10A	C4-9/10ED	CN4-9	C5-8 CF4-9	CA1-7S
1	Alkazyme																			
2	Cidezyme				○			○	○		○	○	○	○		○	×	○		○
3	Trophon® companion cleaning wipes				○								○	○		○				
4	Enzol				○								●	●		○			●	
5	Ethanol 75%																			
6	Isopropyl alcohol 70%			○	○			○			○	○	○	○		○	×	○		○
7	Klenzyme				○			○	○		○	○	○	○	○	○	×	○		
8	McKesson Alcohol Prep Pad Sterile				○			×			○	○	○	○		○	×	○		
9	Metrizyme			○	○			○	○		○	×	○	○	○	○	×	○		
10	Aniosyme DD1												○	○					○	
11	Protex disinfectant spray		○		○								○	○		○				
12	Anios Excel Surface Premium				○							○	○	○		○				
13	Clinell Universal Santitising wipes	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
14	Asepti-Wipes																			
15	Asepti-Wipes II												●	●						
16	Bleach 5.25%					○														
17	CaviWipes				×								●	●		×				
18	Cleanisept Wipe forte				●				●	●			●	●		●				
19	Cleanisept Wipes				●				●	●		●	●	●		●				
20	Gigasept AF				○								○	○		○			○(30)	
21	Incidin Foam																			
22	MetriWipes																			
23	Milton anti bacterial solution	○			○		○	○		○	○	○	○	○		○	○	○		
24	Nuclean				○			○			○	○	○	○		○	×	○		
25	Sani-Cloth Active				●								●	●		●				
26	Sani-Cloth AF Germicidal																			
27	Sani-Cloth AF3 Germicidal				●				●	●			●	●		●				
28	Sani-Cloth Bleach Germicidal				●				●	●		●	●	●		●				○
29	Endozime												○	○						
30	Sani-Cloth HB		●		●			●	●		●	●	●	●	●	●	×		●(30)	
31	Sani-Cloth Plus												●	●						
32	Septiwipes												●	●						
33	Sonowipes				●								●	●		●				
34	Ster-Bac Blu		○																	
35	Super Sani-cloth	●			●								●	●		●				
36	Transeptic spray				○								○	○		○			○(20)	
37	T-Spray	○		○	○			○	○		○	○	○	○	○	○	×	○	○(20)	
38	T-SprayII	○		○	○			○	○		○	○	○	○	○	○	×	○	○(20)	
39	Anioxyde 1000				○				○	×		×	○	○		○			○	○
40	Cidex		○	○	○			○	○		○	○	○	○		○	○	○	○(50)	
41	Cidex OPA	○	○	○	○		○	○	○	○	○	○	○	○	○	○	○	○	○(15)	
42	Cidex Plus	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		○	○(25)	○
43	Gigasept				×											×				
44	Gigasept FF	○			○		○	○		★			×	×		○			○(30)	
45	Hibitane																		○(30)	
46	Metricide		○		○					○			○	○		○			○(50)	
47	Metricide 28				○				○				○	○		○				
48	Metricide 30				○								○	○		○				
49	Metricide OPA Plus				○				○	○		○	○	○		○				○
50	Omnicide - FG2				○			○			○	○	×	○		○	○	○		
51	Omnicide14												○	○						
52	Omnicide28								○	○			○	○						
53	PeraSafe*				○				○	○		○	○	○		○			○(15)	○
54	Salvanios pH 7																			
55	Salvanios pH10																			
56	Sekusept Extra																			
57	Sekusept Plus																			
58	Sporox			○	○	○		○	○			○	○	○	○	○	×	○		
59	SporoxII			○	○	○		○	○			○	○	○	○	○	×	○		
60	Steranios 2%												○	○						
61	REVITAL OX RESERT				○								○	○		○				○
62	Surfaces Hautes																			
63	Tristel Duo				○				○	○	×	○	○	○		×				○
64	Tristel Sporicidal Wipe				○				○	○		○	○	○		○				
65	Virkon*	○																		
66	Wavicide-01		○		○	○		○	○	○	○	○	○	○	○	○	○	○	○(50)	
67	Gigasept PAA																			
68	Antigermix S1				★			★								★			★	
69	Trophon		○	○	○					○		○	○	○		○			○	
70	Trophon2		○	○	○					○		○	○	○		○			○	
71	Aquasonics 100	○	○	○	○			○				○	○	○		○			○	○
72	Clear Image																			
73	Natural Image								○				○	○	○					

Endocavity / Linear

No.	Name	EC4-9	EC4-9IS	ER4-9/10ED	EV4-9/10ED	EVN4-9	VR5-9	EA2-11B	EA2-11AR EA2-11AV	E3-12A	LA2-9A L4-7	L3-8	L3-12A LA3-14A LA3-14AD	LA3-16A LA3-16AD LF5-13	LA3-16AI LS6-15	LA4-18B LA4-148BD	LM4-15B	LN5-12/40	LN5-12	LF5-12	L5-12/50	LS5-13	L5-13/50	L5-13 L5-13IS	L7-16 L7-16IS	LA2-14A
1	Alkazyme															○										
2	Cidezyme	○		○	○	○	○	○	○			○	○	○	○	○		○	○		○		○			○
3	Trophon® companion cleaning wipes												○	○												○
4	Enzol			●	●	●							●	●					○				○			●
5	Ethanol 75%																									
6	Isopropyl alcohol 70%	○		○	○	○			○			○	○	○		○		○	○		○		○			○
7	Klenzyme	○		○	○	○						○	○	○	○	○		○	○		○		○			○
8	McKesson Alcohol Prep Pad Sterile	○		○	○	○						○	○	○	○			○	○		○		○			○
9	Metrizyme	○		○	○	○						○	○	○	○			○	○		○		○			○
10	Aniosyme DD1						○	○					○	○												○
11	Protex disinfectant spray			○	○	○	○	○			○		○	○			○		○				○			○
12	Anios Excel Surface Premium			○	○	○							○	○					×				×			○
13	Clinell Universal Santitising wipes			●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
14	Asepti-Wipes																									
15	Asepti-Wipes II												●	●								●				●
16	Bleach 5.25%																									
17	CaviWipes			×	×	×	●	●					●	●			●		●				●			●
18	Cleanisept Wipe forte			●	●	●	●	●					●	●	●		●		●				●	●	●	●
19	Cleanisept Wipes			●	●	●			●				●	●	●				●			●	●	●	●	●
20	Gigasept AF			○	○	○	○	○			○(30)		○	○			○(30)		○				○			○
21	Incidin Foam																									
22	MetriWipes																									
23	Milton anti bacterial solution			○	○	○						○	○	○	○			○	○		○		○	○	○	○
24	Nuclean			○	○	○						○	○	○	×			×	○		○		○			○
25	Sani-Cloth Active			●	●	●	●	●					●	●			●		●				●			●
26	Sani-Cloth AF Germicidal						●	●									●									
27	Sani-Cloth AF3 Germicidal			×	×	×	●	●					●	●	●		●		×				×	●	●	●
28	Sani-Cloth Bleach Germicidal			●	●	●	●	●	●				●	●	●		●		●				●	●	●	●
29	Endozime			○	○	○	○	○	●	●			○	○												○
30	Sani-Cloth HB			●	●	●	●	●			●(30)	●	●	●	●		●(30)	●	●	●(30)	●	●	●			●
31	Sani-Cloth Plus			●	●	●	●	●	●				●	●			●		●				●			●
32	Septiwipes												●	●								●				●
33	Sonowipes			●	●	●							●	●					●				●			●
34	Ster-Bac Blu										○(50)						○(50)			○(50)		○				
35	Super Sani-cloth			×	×	×				●			●	●					●				●	●	●	●
36	Transeptic spray			○	○	○	○	○	○		○(15)		○	○			○(15)		○				○	○(15)	○	○
37	T-Spray			○	○	○	○	○			○(20)	○	○	○	○		○(20)	○	○	○	○	○	○	○	○	○
38	T-SprayII			○	○	○	○	○			○(20)	○	○	○	○		○(20)	○	○	○	○	○	○	○	○	○
39	Anioxyde 1000	○		○	○	○	○	○	×		○		○	○	○		○		○				○		○	○
40	Cidex	○		○	○	○	○(50)	○(50)			○(50)	○	○	○	○	○	○(50)	○	○	○(50)	○	○	○			○
41	Cidex OPA	◆	○	◆	◆	◆	○(15)	○(15)		○	○(15)	○	○	○	○	○	○(15)	○	○	○(15)	○	○	○	○	○	○
42	Cidex Plus	○	○	○	○	○	○(25)	○(25)	○	○	○(25)	○	○	○	○		○(25)	○	○	○(25)	○	○	○	○	○	○
43	Gigasept																									
44	Gigasept FF		○	○	○	○	○(30)	○(30)			○(30)		×	×			○(30)									×
45	Hibitane						○(30)	○(30)			○(30)						○(30)									
46	Metricide			×	×	×	○(50)	○(50)			○(50)		○	○		○	○(50)		○	○(50)		○	○			○
47	Metricide 28						○	○					○	○	○							○				○
48	Metricide 30			○	○	○							○	○	○				○				○	○		○
49	Metricide OPA Plus	○	○	○	○	○	○	○	○			○	○	○	×				○				○	×	×	○
50	Omnicide - FG2	○		○	○	○						○	○	○	○			×	○		○		○			○
51	Omnicide14												○	○												○
52	Omnicide28												○	○												○
53	PeraSafe*	×		×	×	×	○(15)	○(15)	○		○(15)		×		○		○(15)					○			○	○
54	Salvanios pH 7																									
55	Salvanios pH10															○										
56	Sekusept Extra																									
57	Sekusept Plus																									
58	Sporox			○	○	○			×	○		○	○	×	○			×	○		○		×	○	○	○
59	SporoxII			○	○	○			×	○		○	○	×	○			×	○		○		×	○	○	○
60	Steranios 2%						○	○					○	○		○	○									○
61	REVITAL OX RESERT			○	○	○	○	○	○	○	○		○	○	○		○		○				○			○
62	Surfaces Hautes																									
63	Tristel Duo	◆		◆	◆	◆	○	○	◆	◆		○	○	○	○		○	×	×				○	○	○	○
64	Tristel Sporicidal Wipe	○		○	○	○	○					○	○	○	○				○				○	○	○	○
65	Virkon*		○							○														○	○	
66	Wavicide-01	○		○	○	○	○(50)	○(50)			○(50)	○	○	○	×		○(50)	○	○	○(50)	○	○	○			○
67	Gigasept PAA																									
68	Antigermix S1					★	★			★			★	★	★				★							
69	Trophon	◆		◆	◆	◆	◆	◆	◆	◆	○		○	○	○	○			○				○		○	○
70	Trophon2	◆		◆	◆	◆	◆	◆	◆	◆	○		○	○	○	○			○				○		○	○
71	Aquasonics 100			○	○	○	○	○		○	○	○	○	○	○	○	○		○	○	○	○	○	○	○	○
72	Clear Image																			○						
73	Natural Image												○	○												○

Phased Array / CW / TEE

No.	Name	P1-4	PA1-5A	PM1-6A	PN2-4	P2-4AH	P2-4BA PE2-4	SP3-8	PA3-8B P3-8 P3-8CA	PA4-12B P4-12	DP2B	CW2.0	CW4.0	CW6.0	DP8B	MMPT3-7 MPT3-7
1	Alkazyme															
2	Cidezyme		○		○											
3	Trophon® companion cleaning wipes		○													
4	Enzol	○	●		●	○	○		○	○					○	○
5	Ethanol 75%															
6	Isopropyl alcohol 70%	○	○	○	○		○	○	○	○						○
7	Klenzyme	○	○		○	○	○		○	○					○	
8	McKesson Alcohol Prep Pad Sterile		○		○											
9	Metrizyme		○	○	○	○	○	○	○	○					○	
10	Aniosyme DD1		○													
11	Protex disinfectant spray		○		○											
12	Anios Excel Surface Premium		○		×											
13	Clinell Universal Santitising wipes	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
14	Asepti-Wipes															
15	Asepti-Wipes II		●													
16	Bleach 5.25%															
17	CaviWipes		●		●											
18	Cleanisept Wipe forte		●		●											
19	Cleanisept Wipes		●		●											
20	Gigasept AF		○		○						○(30)	○(30)		○(30)		
21	Incidin Foam															
22	MetriWipes															
23	Milton anti bacterial solution	○	○		○		○		○	○						
24	Nuclean		○		○											
25	Sani-Cloth Active		●		●											
26	Sani-Cloth AF Germicidal						●		●							
27	Sani-Cloth AF3 Germicidal		●		×		●	●	●							
28	Sani-Cloth Bleach Germicidal		●		●		●	●	●							
29	Endozime		○													
30	Sani-Cloth HB	●	●		●	●	●		●	●	●(30)	●(30)		●(30)	●	
31	Sani-Cloth Plus	●	●		●		●		●	●						
32	Septiwipes		●													
33	Sonowipes		●		●											
34	Ster-Bac Blu										○(50)	○(50)		○(50)		
35	Super Sani-cloth		●		●											
36	Transeptic spray		○		○						○(15)	○(15)		○(15)		
37	T-Spray	○	○	○	○	○	○	○	○	○	○(20)	○(20)		○(20)		
38	T-SprayII	○	○	○	○	○	○	○	○	○	○(20)	○(20)		○(20)		
39	Anioxyde 1000		○		○											
40	Cidex	○	○	○	○		○	○	○	○	○	○	○(50)			○
41	Cidex OPA	○	○	○	○	○	○	○	○	○	○(15)	○(15)	○	○(15)	○	◆
42	Cidex Plus	○	○	○	○	○	○	○	○	○	○(25)	○(25)	○	○(25)	○	
43	Gigasept															
44	Gigasept FF		×								○(30)	○(30)	○	○(30)		
45	Hibitane										○(30)	○(30)		○(30)		
46	Metricide	○	○		○		○		○	○	○	○		○(50)		○
47	Metricide 28		○				○	○	○							
48	Metricide 30		○		○		○	○	○							
49	Metricide OPA Plus		○		○											
50	Omnicide - FG2		○		○											
51	Omnicide14	○	○				○		○	○						
52	Omnicide28	○	○				○		○	○						○
53	PeraSafe*		○								○(15)	○(15)		○(15)		
54	Salvanios pH 7															
55	Salvanios pH10	○					○		○	○						
56	Sekusept Extra															
57	Sekusept Plus															
58	Sporox		○	○	○	○		○							○	
59	SporoxII		○	○	○	○		○							○	
60	Steranios 2%		○				○		○	○						
61	REVITAL OX RESERT		○		○											
62	Surfaces Hautes														○	
63	Tristel Duo		○					○								
64	Tristel Sporicidal Wipe		○		○			○								
65	Virkon*															
66	Wavicide-01	○	○		○	○	○		○	○	○(50)	○(50)		○(50)	○	
67	Gigasept PAA															◆
68	Antigermix S1	★					★		★	★						
69	Trophon		○	○	○		○	○	○	○						
70	Trophon2		○	○	○		○	○	○	○						
71	Aquasonics 100		○	○	○		○	○	○	○	○	○		○		○
72	Clear Image															
73	Natural Image		○			○									○	

× = Not compatible (DO NOT USE)		
○ = Compatible (From Lens to Housing)		
● = Compatible (From Lens upto 50cm away from the connector)		
Blank = Untested.(DO NOT USE)		
★ = Staining may occur on housing parts; however, the acoustic performance and image quality are not affected.		
○(5) = Must not be used longer than 5 minutes	○(10) = Must not be used longer than 10 minutes	○(15) = Must not be used longer than 15 minutes
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○(50) = Must not be used longer than 50 minutes		
All transducers are under tested in IPx 7 Criteria.		
◆ Compatible and Validated for disinfection method		

* Be sure to check the manufacturer's instructions for the dilution strength and method for using powders including Perasafe.
* V-PRO products include V-PRO1, V-PRO1 Plus, V-PRO Max, V-PRO Max2, V-PRO 60 sterilizer.
* Be sure to check the manufacturer's instructions before using Antigermix disinfection system to prevent discoloration.

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CE 0123

MI68-03497B

Disinfectants Matrix							3D													Convex																			Endocavity									Linear																Phased Array									CW					TEE
No.	Classification	Name	Type	Disinfectant Level	Manufacture	Active Ingredient	CV1-8A CV1-8AD	3DC2-6	3D2-6 3D2-6ET	V2-6	3D4-8 3D4-8ET	V4-8	VE4-8	VN4-8	3D4-9 3D4-9ES	V5-9	EV3-10B	LV3-14A V6-12	EV2-10A	C1-4EC	CS1-4	SC1-6	CA1-7A CA1-7AD	C2-4/20	C2-4ES	C2-5	CA2-6BM	C2-6 C2-6IC	CN2-8	C2-8 C2-8ED	CA2-8A CA2-8AD CF2-8	CA2-9A CA2-9AD	C3-7EP	CA3-10A	C4-9/10ED	CN4-9	C5-8 CF4-9	CA1-7S	EC4-9	EC4-9IS	ER4-9/10ED	EV4-9/10ED	EVN4-9	VR5-9	EA2-11B	EA2-11AR EA2-11AV	E3-12A	LA2-9A L4-7	L3-8	L3-12A LA3-14A LA3-14AD	LA3-16A LA3-16AD LF5-13	LA3-16AI LS6-15	LA4-18B LA4-148BD	LM4-15B	LN5-12/40	LN5-12	LF5-12	L5-12/50	LS5-13	L5-13/50	L5-13 L5-13IS	L7-16 L7-16IS	LA2-14A	P1-4	PA1-5A	PM1-6A	PN2-4	P2-4AH	P2-4BA PE2-4	SP3-8	PA3-8B P3-8 P3-8CA	PA4-12B P4-12	DP2B	CW2.0	CW 4.0	CW6.0	DP8B	MMPT3-7 MPT3-7
74	Gel	Scan	Gel	Gel	Parker Laboratories, Inc.	NA				○		○	○			○	○	○			○	○															○							○	○			○						○			○									○				○			○	○		○		
75	Gel	Sonogel	Gel	Gel	Sonogel Vertriebs GmbH	NA				○		○	○			○	○	○			○																○							○	○			○						○			○																○	○		○		
76	Gel	Wavelength	Gel	Gel	National Therapy Products Inc.	NA																																																			○																					
77	Disinfectants	Acrylan	Liquid	Low	Antiseptica	Quaternary Ammonium(N-Alkyl)	○	○						○			○						○			○					○	○		○							○	○	○	○	○					○	○					○				○			○		○		○											
78	Disinfectants	SEPTOL LINGETTES	Wipe	Low	ACTEON	Quaternary Ammonium(N-Alkyl)																																														×																									
79	Disinfectants	Wip' Anois Excel	Wipe	Low	Anios	Quaternary Ammonium(N-Alkyl)										●	●						●								●	●		●							●	●	●	●	●					●	●			●		●				●			●		●		●											
80	Cleaner	EmPower	Liquid	Cleaner	Metrex	Propylene glycol	○							○			○						○								○	○		○							○	○	○	○	○	○				○	○					○				○			○		○		○											
81	Disinfectants	HEXANIOS G+R	Liquid	Low	Anios	Quaternary Ammonium(N-Alkyl)	○							○									○								○	○		○							○	○	○							○	○					×				×			○		○		×											
82	Disinfectants	Oxivir TB Wipes	Wipe	High	Diversey	Hydrogen Peroxide	★							★		○	○	○					○								○	○		○			○				○	○	○		○	○	○	○		○	○	○	○	○		○				○			○		○	○	○											
83	Disinfectants	Bacillol 30 Foam	Spray	Low	BODE Chemie GmbH	Quaternary Ammonium(N-Alkyl), Alcohol	○							○			○						○								○	○		○							○	○	○							○	○					○				○			○		○		○											
84	Disinfectants	CaviCide	Spray	Low	Metrex	Quaternary Ammonium(N-Alkyl), Alcohol	○							○		○	○														○	○									○	○	○	○	○					○	○			○									○		○													
85	Disinfectants	Clinell UNIVERSAL SPRAY	Spray	Low	GAMA Healthcare Ltd	Quaternary Ammonium(N-Alkyl)										○	○																								○	○	○	○	○																																	
86	Disinfectants	gigasept FF (neu)	Liquid	High	Schulke	Succindialdehyde	×							×									×								○	○		×							○	○	○							○	○												○		○													
87	Disinfectants	Envirocide	Spray	Low	Metrex	Quaternary Ammonium(N-Alkyl), Alcohol																																			○	○	○																																			
88	Disinfectants	MetriGuard	Spray	Low	Metrex	Quaternary Ammonium(N-Alkyl), Alcohol	○							○																											○	○	○																																			
89	Disinfectants	Chlorine 1000PPM	Liquid	High	All manufacure	Chlorine compound																																			○	○	○																																			
90	Disinfectants	HMC NF*	Powder	High	MDD COMPANY GmbH	Sodium percarbonate	○							○		○	○						○								○	○		○							○	○	○	○	○					○	○			○		○				○			○		○		○											
91	Disinfectants	SCOP'ANIOS RC	Liquid	High	Anios	Hydrogen peroxide, Peracetic Acid	○							○									×								○	○		×																○	○					×				×			○		○		×											
92	Cleaner	EmPower Foam	Liquid	Cleaner	Metrex	Polyethylene glycol	○							○									○								○	○		○							○	○	○							○	○					○				○			○		○		○											
93	Cleaner	MetriSPONGE	Liquid	Cleaner	Metrex	Propylene glycol	○							○									○								○	○		○							○	○	○							○	○					○				○			○		○		○											
94	Sterilization system	V-PRO	Vapor	High	Steris	Hydrogen peroxide																																																																								
95	Disinfectants	Chlordioxid Losung	Liquid	High	vitalundfitmit100 UG	Chlorine dioxide																																			○	○	○																																			
96	Cleaner	Endozime Xtreme Power	Liquid	Cleaner	Ruhof Healthcare	Proteolytic Enzymes																																			○	○	○																																			
97	Disinfectants	Surfanios Premium	Liquid	Low	Anios	Quaternary Ammonium(N-Alkyl), Alcohol																									○	○																		○	○												○		○													
98	Disinfectants	Virkon S	Liquid	High	Dupont	Potassium peroxymonosulfate	○							○									○											○							○	○	○																																			
99	Disinfectants	V-Wipes	Wipe	Low	Whiteley Corporation	Alcohol	●							●																																																																
100	Disinfectants	terralin PAA	Liquid	High	Schulke	Hydrogen peroxide, Acetic Acid, Peracetic Acid																	×											×																																											
101	Disinfectants	Rapidzide OPA/28	Liquid	High	Cantel Medical	Ortho-phthalaldehyde										○	○														×	×									○	○	○	○	○					×	×			○		○				○			×		×		○											
102	Cleaner	Tristel Pre-clean wipe	Wipe	Cleaner	Tristel Solutions Limited	Alcohol										○	○						○								○	○		○							○	○	○	○	○					○	○			○		○				○			○		○		○											
103	Disinfectants	Biguacid S	Liquid	Low	Antiseptica	Quaternary Ammonium(N-Alkyl), Alcohol	○							○		○	○																											○	○									○		×				×							×											
104	Disinfectants	deconex 11 UNIVERSAL	Liquid	Low	Borer Chemie AG	Sodium hypochlorite																									○	○																		○	○					★				★			○		○		★											
105	Disinfectants	MEDI CLEAN	Liquid	Low	UBM Cleaning Solution INC	Quaternary Ammonium(N-Alkyl), Alcohol																	×								○	○		×							○	○	○							○	○					○				○			○		○		○											
106	Disinfectants	saFecide	Wipe	Low	Liebecos	Quaternary Ammonium(N-Alkyl)																																																		●				●							●											
107	Disinfectants	SURFA'SAFE	Liquid	Low	Anios	Quaternary Ammonium(N-Alkyl)										○	○																											○	○									○		○				○							○											
108	Disinfectants	Mikrobac Tissues	Wipe	Low	BODE Chemie GmbH	Quaternary Ammonium(N-Alkyl)	●							●			●																								●	●	●	●	●																																	
109	Disinfectants	Meliseptol Wipes Sensitive	Wipe	Low	B. Braun Medical AG	Quaternary Ammonium(N-Alkyl)																								●	●	●																		●	●												●		●													
110	Disinfectants	Mikrozid sensitive liquid	Liquid	Low	Schulke	Quaternary Ammonium(N-Alkyl)	○							○			○																								○	○	○	○	○											○				○							○											
111	Disinfectants	Mikrozid sensitive Wipes	Wipe	Low	Schulke	Quaternary Ammonium(N-Alkyl)	●							●			●														●	●												●	●					●	●												●		●													
112	Disinfectants	Mikrozid universal liquid	Liquid	Low	Schulke	Alcohol																																																		○				○							○											
113	Disinfectants	Mikrozid universal Wipes premium	Wipe	Low	Schulke	Alcohol																																			×	×	×													●				●							●											
114	Disinfectants	Protex ultra	Wipe	Low	Parker Laboratories, Inc.	Quaternary Ammonium(N-Alkyl)																	●								●	●		●							●	●	●							●	●												●		●													
115	Disinfectants	Descogen-I	Liquid	High	Antiseptica	Potassium peroxymonosulfate, Citric Acid	○							○																	○	○									○	○	○							○	○					○				○			○		○		○											
116	Disinfectants	gigasept pearls*	Powder	High	Metrex	Sodium percarbonate, Citric Acid	○							○			○														○	○												○	○					○	○												○		○													
117	Disinfectants	Metricide Plus 30	Liquid	High	Metrex	Glutaraldehyde										○	○																											○	○									○																								
118	Disinfectants	V Wipes	Wipe	Cleaner	Whiteley Medical	Alcohol										○	○																											○	○									○																								
119	Disinfectants	CaviWipes AF	Wipe	Low	Metrex	Quaternary Ammonium(N-Alkyl)										●	●																											●	●									●																								
120	Disinfectants	Protex disinfectant wipes	Wipe	Low	Parker Laboratories, Inc.	Quaternary Ammonium(N-Alkyl)	●							●		●	●																								●	●	●	●	●									●																								
121	Disinfectants	Tristel Rinse Wipes	Wipe	Cleaner	Tristel Solutions Limited	Deionised water										○	○																											○	○									○																								
122	Disinfectants	Clorox Healthcare™ Professional Disinfecting Bleach Wipes	Wipe	Low	Clorox	Sodium hypochlorite	●							●		●	●														●	●									●	●	●							●	●					●				●			●		●		●											
123	Disinfectants	Sani-Cloth Detergent Wipes	Wipe	Low	PDI	Alcohol	●							●																	●	●									●	●	●							●	●					●				●							●											
124	Disinfectants	SciCan Optim 33TB Surface CleaneDisinfectant Solution	Liquid	High	SciCan	Hydrogen peroxide	○							○									○								○	○		○							○	○	○							○	○					○				○			○		○		○											
125	Disinfectants	SciCan Optim 33TB Surface CleaneDisinfectant Wipes	Wipe	High	SciCan	Hydrogen peroxide	○							○																	○	○									○	○	○							○	○					×				×			○		○		×											
126	Disinfectants	VERT 2 GO ED	Liquid	Low	Wood Wyant	Quaternary Ammonium(N-Alkyl)	○							○																	○	○									○	○	○							○	○					○				○			○		○		○											
127	Disinfectants	Bacillol 30 Tissue	Wipe	Low	BODE Chemie GmbH	Quaternary Ammonium(N-Alkyl)	○							○																	○	○									○	○	○							○	○												○		○													
128	Disinfectants	Descoton Extra	Liquid	High	Dr.Schumacher GmbH	Glutaraldehyde	○							○																	○	○									○	○	○							○	○					○				○			○		○		○											
129	Disinfectants	Sekusept Aktiv*	Powder	High	Ecolab	Sodium percarbonate, Citric acid	○							○																											×	×	×																																			
130	Disinfectants	Clinell Universal wipes	Wipe	Low	GAMA Healthcare Ltd	Quaternary Ammonium(N-Alkyl)	●	●	●	●	●	●	●	●		●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
131	Disinfectants	Medilox	Liquid	High	Soosan CMC	Hypochlorous Acid	○							○																											×	×	×																				○		○													
132	Disinfectants	Clorox Healthcare Hydrogen peroxide wipes	Wipe	High	Clorox	Hydrogen Peroxide	○							○									○								○	○		○			○				×	×	×		○		○	○		○	○			○		○				○			○		○		○											
133	Disinfectants	Medipal Alcohol Disinfectant Wipes	Liquid	Low	Pal International limited	Alcohol	○							○																	○	○																		○	○					○				○							○											
134	Disinfectants	3M SURFACE DISINFECTANT CLEANER WIPES	Wipe	Low	3M	Quaternary Ammonium(N-Alkyl), Alcohol	●							●																	●	●																		●	●					●				●			●		●		●											
135	Disinfectants	Medipal 3in1	Wipe	Low	Pal International limited	Quaternary Ammonium(N-Alkyl), Alcohol																					●																			●	○						●	○																								
136	Disinfectants	WIP'ANIOS SPOR'	Liquid	High	Anois	Peracetic Acid																																																																								
137	Disinfectants	Pera flu	Wipe	High	SH	Peracetic Acid	○							○									○								○	○		○																○	○												○		○													
138	Disinfectants	SURFA'SAFE PREMIUM	spray	Low	Anois	Quaternary Ammonium(N-Alkyl)	○							○													○																													○				○							○											
139	Disinfectants	Azomax	spray	Low	Synergy Health Ltd	Quaternary Ammonium(N-Alkyl), Alcohol	○							○									○								○	○		○							○	○	○			○				○	○					○				○			○		○		○											
140	Disinfectants	Sani Cloth active	Wipe	Low	Ecolab	Quaternary Ammonium(N-Alkyl)																	○								○	○		○																○	○					○				○			○		○		○											
141	Disinfectants	Incidin oxywipe	Wipe	High	Ecolab	Hydrogen Peroxide	●							●									●								●	●		●			×	●			●	●	●							●	●	●	●										●		●													
142	Disinfectants	Incidin oxywipe S	Wipe	High	Ecolab	Hydrogen Peroxide																	●								●	●		●			●	×			●	●	●							●	●	●	●										●		●													
143	Disinfectants	绿先锋消毒剂	Liquid	High	Techgreen	Chlorine dioxide																																												×																												
144	Cleaner	Amity 3 step solution: Detergent	Wipe	Cleaner	Amity	Alkyl ethoxylate	●							●																	●	●																		●	●					●				●			●		●		●											
145	Disinfectants	Amity 3 step solution: HLD	Wipe	High	Amity	Bis(3-aminopropyl) dodecylamine, Didecyldimethyl Ammonium Chloride	●							●																	●	●																		●	●					●				●			●		●		●											
146	Cleaner	Amity 3 step solution: Rinse	Wipe	Cleaner	Amity	Deionised water	●							●																																										●				●							●											

× = Not compatible (DO NOT USE)		
○ = Compatible (From Lens to Housing)		
● = Compatible (From Lens upto 50cm away from the connector)		
Blank = Untested.(DO NOT USE)		
★ = Staining may occur on housing parts; however, the acoustic performance and image quality are not affected.		
○(5) = Must not be used longer than 5 minutes	○(10) = Must not be used longer than 10 minutes	○(15) = Must not be used longer than 15 minutes
○(20) = Must not be used longer than 20 minutes	○(25) = Must not be used longer than 25 minutes	○(30) = Must not be used longer than 30 minutes
○(50) = Must not be used longer than 50 minutes		
All transducers are under tested in IPx 7 Criteria.		
◆ Compatible and Validated for disinfection method		

* Be sure to check the manufacturer's instructions for the dilution strength and method for using powders including Perasafe.
* V-PRO products include V-PRO1, V-PRO1 Plus, V-PRO Max, V-PRO Max2, V-PRO 60 sterilizer.
* Be sure to check the manufacturer's instructions before using Antigermix disinfection system to prevent discoloration.

ⓘ https://www.samsunghealthcare.com/en/products/UltrasoundSystem

Validated High Level Disinfection Instruction for Samsung Transducers

Tristel Duo ULT: Wiping Method for Endocavity Probes

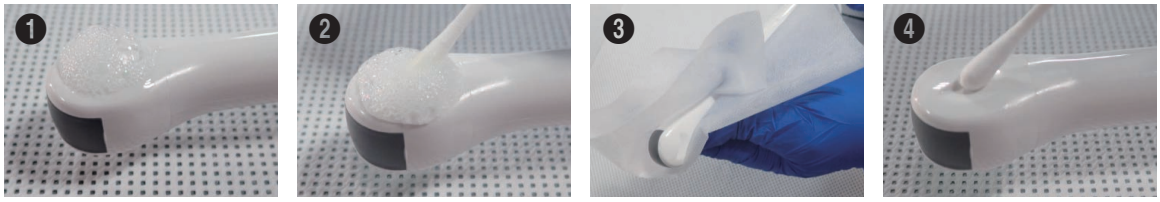
1. Cleaning the Probe

NOTE: Always use protective equipment such as face mask, eyewear, and gloves when cleaning and disinfecting probes.

1) If applicable, remove the biopsy adapter, needle guide or protective sheath from the probe.
2) Before conducting the HLD process, clean the probes thoroughly.

NOTE: Do not use paper or abrasive products when cleaning the probe. They can damage the lens of the probe.

3) Hold the probe and put one pump of Tristel Duo ULT in the crevices of the probe. (See Figure 1 ❶)
4) Use a swab to spread the Tristel Duo ULT Foam in the crevices. (See Figure 1 ❷)
5) Put two pumps of Tristel Duo ULT on a Tristel Dry Wipe and clean the transducer from housing to the lens of the probe. (See Figure 1 ❸)
6) Use another dry swab to dry and clean the crevices. (See Figure 1 ❹)
7) After cleaning, thoroughly dry the probe.



[Figure 1]

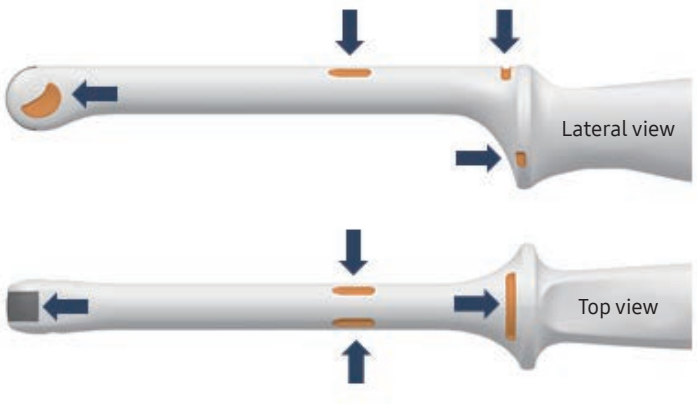
2. Using Tristel Duo ULT

Follow Tristel Duo ULT manufacturer's instructions for preparation, temperature, solution strength, and duration of contact. Ensure that the solution strength and duration of contact are appropriate for the intended clinical use of the device. Be sure to observe the solution expiration date.

3. Disinfecting the probe

1) Change your gloves.
2) Hold the probe and put one pump of Tristel Duo ULT in the crevices of the probe. (See Figure 2 ❶)
3) Use a swab to spread the Tristel Duo ULT Foam in the crevices. Leave the disinfectant on the probe for at least 30 seconds. (See Figure 2 ❷)
4) Put two pumps of Tristel Duo ULT on a Tristel Dry Wipe and disinfect the transducer from housing to the lens of the probe. Leave the disinfectant on the probe for at least 30 seconds. (See Figure 2 ❸)

[Figure 2]



[Figure 3 – Crevices]

4. Dry

1) Leave the surface to dry to ensure at least 30 second contact time.
2) Use the probe immediately or store the probe properly (e.g. in a sterile bag) to prevent any further contamination.

5. Management

1) Register the disinfection data for traceability according to local regulations.
2) Examine the probe and cable for damage such as cracks, splitting, sharp edges, or projections. If such damage is found, discontinue use of the device and contact your Samsung Medison representative.

※ Using disinfection wipes for devices requiring high-level disinfection may be prohibited in some countries such as USA.

Metricide OPA Plus: Immersion Method for Endocavity Probes

1. Cleaning the Probe

NOTE: Always use protective equipment such as face mask, eyewear, and gloves when cleaning and disinfecting probes.

1) If applicable, remove the biopsy adapter, needle guide or protective sheath from the probe.
2) Before conducting the HLD process, clean the probes thoroughly with wiping or immersion method as per the instructions of the chosen detergent manufacturer.

NOTE: Do not use paper or abrasive products when cleaning the probe. They can damage the lens of the probe.

3) If necessary, follow the rinse (and neutralization) instructions from the cleaner or disinfectant manufacturer for rinsing the probe.
4) After cleaning, thoroughly dry the probe.

2. Using Metricide OPA Plus

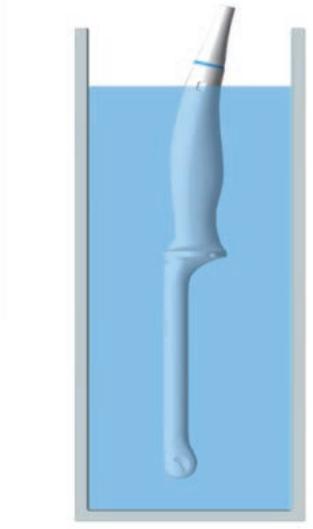
Follow Metricide OPA Plus manufacturer's instructions for preparation, temperature, solution strength, and duration of contact. Ensure that the solution strength and duration of contact are appropriate for the intended clinical use of the device. Be sure to observe the solution expiration date.

3. Disinfecting the Probe

1) Change your gloves.
2) Immerse the probe into the Metricide OPA Plus solution. (See Figure 4)

NOTE: Ensure that all air bubbles are removed from the surface of the probe by agitating.

3) Allow the probe to soak in the Metricide OPA solution for 12 minutes.



[Figure 4]

4. Rinse

1) Thoroughly rinse the probe by fully immersing it in pure water to the point in the figure above. (See Figure 4)
2) Remove all air bubbles from the surface of the probe and allow the probe to set for a minimum of 1 minute.
3) Repeat the Step 1) and 2) of Rinse two more times for a total of 3 rinses using a fresh batch of pure water each time.

5. Dry

1) Remove water from all surfaces of probe with a sterile lint-free cloth.
2) Use the probe immediately or store the probe properly (e.g. in a sterile bag) to prevent any further contamination.

6. Management

1) Register the disinfection data for traceability according to local regulations.
2) Examine the probe and cable for damage such as cracks, splitting, sharp edges, or projections. If such damage is found, discontinue use of the device and contact your Samsung Medison representative.

Trophon EPR, Trophon 2: Disinfection System Method for Endocavity Probes

1. Cleaning the Probe

NOTE: Always use protective equipment such as face mask, eyewear, and gloves when cleaning and disinfecting probes.

1) If applicable, remove the biopsy adapter, needle guide or protective sheath from the probe.
2) Before conducting the HLD process, clean the probes thoroughly with wiping or immersion method as per the instructions of the chosen detergent manufacturer.

NOTE: Do not use paper or abrasive products when cleaning the probe. They can damage the lens of the probe.

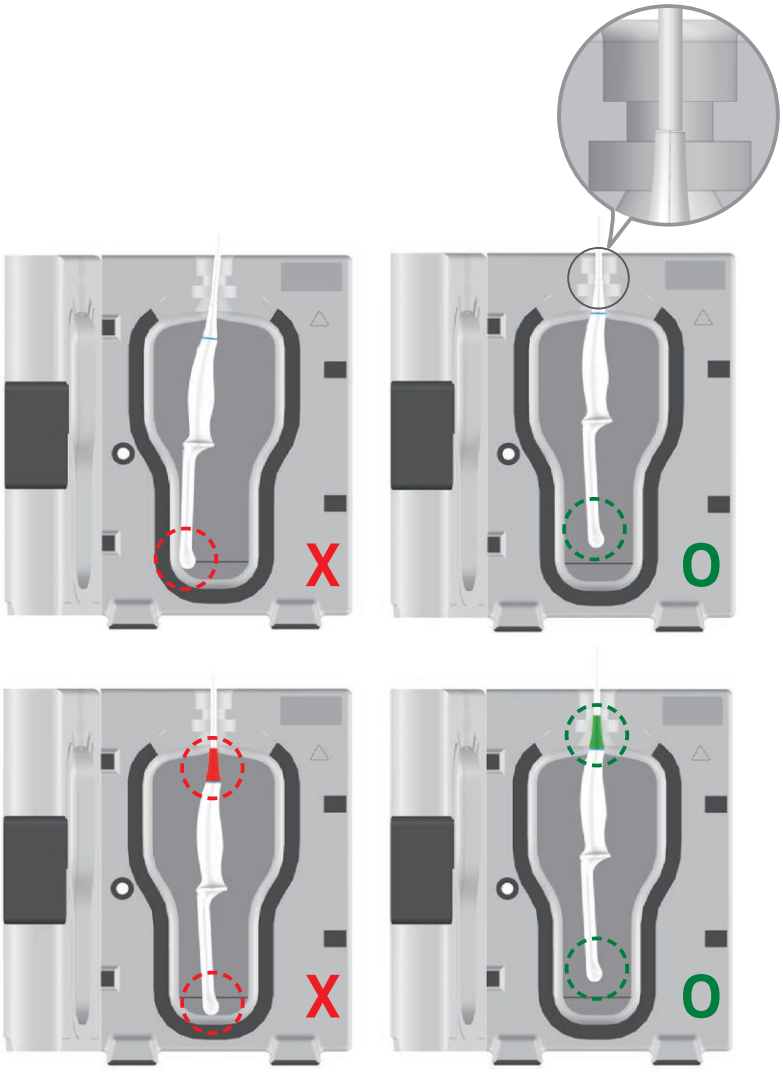
3) If necessary, follow the rinse (and neutralization) instructions from the cleaner or disinfectant manufacturer for rinsing the probe.
4) After cleaning, thoroughly dry the probe.

2. Preparing Trophon EPR, Trophon 2

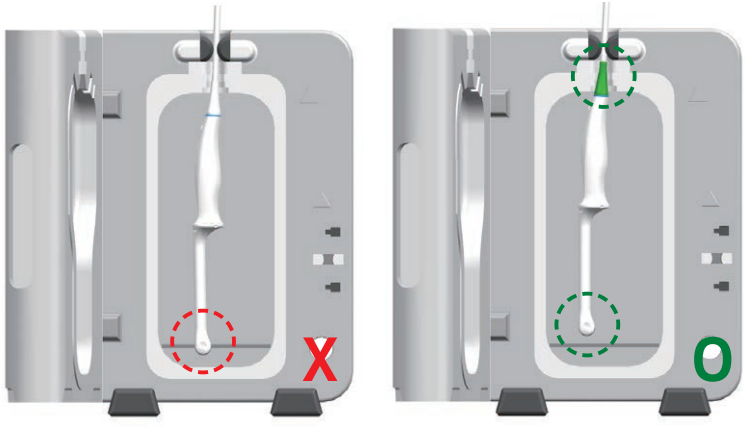
NOTE: Refer to the user instructions of the Trophon EPR, Trophon 2 for details of proper use, storage and disposal of waste.

1) Place the probe in Trophon EPR, Trophon 2 following the user instructions of Trophon EPR, Trophon 2.

NOTE: Improper positioning of the probe can damage the probe due to the increased temperature of the wall and high-level disinfection may not be achieved. (See Figures 5, 6)



[Figure 5 – Trophon EPR]



[Figure 6 – Trophon 2]

3. Disinfecting the Probe

1) Change your gloves.
2) Start the disinfection process and wait until the end of the cycle. (The standard cycle takes 7 minutes)
3) Wear a new set of clean gloves and always remove the probe immediately at the end of the cycle from the Trophon EPR, Trophon 2.

NOTE: After completion of the disinfection process, the surface temperature of the probe and chamber may have increased. Always use protective equipment such as face mask, eyewear, and gloves.

4. Rinse & Dry

1) Remove hydrogen peroxide from all surfaces of the probe with a sterile lint-free cloth.

NOTE:

- Aggressive wiping or scrubbing can damage the probe. Use a gentle wiping motion for the probe lens, the strain relief, and the areas surrounding the strain relief.
- When wiping the probe, hold the housing. Do not suspend the probe by the cable. This can damage probes.

2) Use the probe immediately or store the probe properly (e.g. in a sterile bag) to prevent any further contamination.

5. Management

1) Register the disinfection data for traceability according to local regulations.
2) Examine the probe and cable for damage such as cracks, splitting, sharp edges, or projections. If such damage is found, discontinue use of the device and contact your Samsung Medison representative.

Cidex OPA: Immersion Method for MPTEE Probe

1. Cleaning the Probe

NOTE: Always use protective equipment such as face mask, eyewear, and gloves when cleaning and disinfecting probes.

1) If applicable, remove the biopsy adapter, needle guide or protective sheath from the probe.
2) Before conducting the HLD process, clean the probes thoroughly with wiping or immersion method as per the instructions of the chosen detergent manufacturer.

NOTE:

- Do not use paper or abrasive products when cleaning the probe. They can damage the lens of the probe.
- Immerse only the portion of the probe between the tip at the end of the probe and the area marked as 100cm. (See Figure 7)

3) If necessary, follow the rinse (and neutralization) instructions from the cleaner or disinfectant manufacturer for rinsing the probe.
4) After cleaning, thoroughly dry the probe.

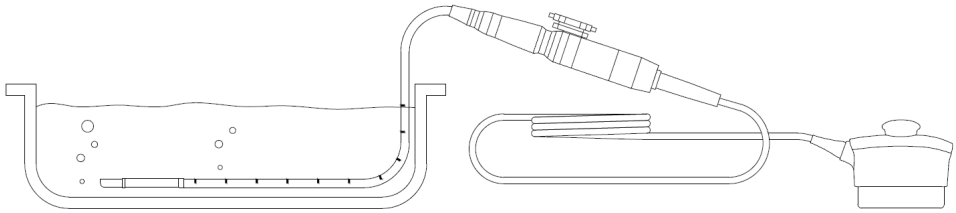
2. Using Cidex OPA

Follow Cidex OPA manufacturer's instructions for preparation, temperature, solution strength, and duration of contact. Ensure that the solution strength and duration of contact are appropriate for the intended clinical use of the device. Be sure to observe the solution expiration date.

3. Disinfecting the Probe

1) Change your gloves.
2) Immerse the probe into the Cidex OPA solution. (See Figure 7)

NOTE: Immerse only the portion of the probe between the tip at the end of the probe and the area marked as 100cm.



[Figure 7]

NOTE:

- Ensure that all air bubbles are removed from the surface of the probe by agitating.
- Do not allow sharp objects to touch the lens. Do not touch the lens unnecessarily. This can damage the lens.

3) Allow the probe to soak in the Cidex OPA solution for 12 minutes.

4. Rinse

1) Thoroughly rinse the probe by fully immersing it in sterile pure water to the point in the figure above. Immerse only the portion of the probe between the tip at the end of the probe and the area marked as 100cm. (See Figure 7)
2) Remove all air bubbles from the surface of the probe and allow the probe to set for a minimum of 1 minute.
3) Repeat the Step 1) and 2) of **Rinse** two more times for a total of 3 rinses using a fresh batch of sterile pure water each time.

5. Dry

1) Remove water from all surfaces of probe with a sterile lint-free cloth.
2) Use the probe immediately or store the probe properly (e.g. in a sterile bag) to prevent any further contamination.

6. Management

1) Register the disinfection data for traceability according to local regulations.
2) Examine the probe and cable for damage such as cracks, splitting, sharp edges, or projections. If such damage is found, discontinue use of the device and contact your Samsung Medison representative.

Gigasept® PAA concentrate: Immersion Method for MPTEE Probe

1. Cleaning the Probe

NOTE: Always use protective equipment such as face mask, eyewear, and gloves when cleaning and disinfecting probes.

1) If applicable, remove the biopsy adapter, needle guide or protective sheath from the probe.
2) Before conducting the HLD process, clean the probes thoroughly.

NOTE:

- Do not use paper or abrasive products when cleaning the probe. They can damage the lens of the probe.
- Immerse only the portion of the probe between the tip at the end of the probe and the area marked as 100cm. (See Figure 8)

3) Wipe the MPTEE probe with 5 Tristel Dry Wipes soaked with 8 ml 1.6% CIDEZYME and wipe for 3 minutes.
4) Thoroughly clean the probe with a detergent especially taking care of the junctions of the flexible part and the crevices on the transducer. (See Figure 8)
5) Rinse the MPTEE probe for 1 minute with water.

[Figure 8]

2. Using Gigasept® PAA concentrate

Prepare a Gigasept® PAA concentrate with a concentration of at least 2% using the manufacturer's instructions.

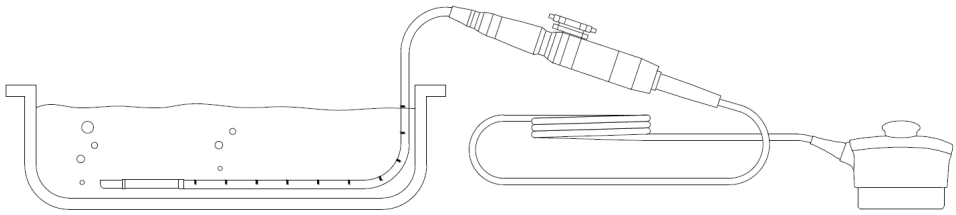
3. Disinfecting the Probe

1) Change your gloves.
2) Place the MPTEE probe in the 2% Gigasept® PAA concentrate. (See Figure 9)

NOTE: Immerse only the portion of the probe between the tip at the end of the probe and the area marked as 100cm. (See Figure 9)

3) Ensure that all air is removed from the surface of the MPTEE probe.
4) Leave the MPTEE probe for 15 minutes in the solution.

NOTE: Gigasept® PAA concentrate shall not be reused beyond 12 hours.



[Figure 9]

4. Rinse

1) Remove the MPTEE probe from the solution and thoroughly rinse all surfaces up to the immersion point. (See Figure 9)
2) Repeat this process two more times with sterile water, each time for a minimum of 1 minute.

5. Dry

1) Thoroughly dry all surfaces of the probe using a sterile, lint-free wipe or cloth, changing wipes/cloths when necessary to ensure the probe is completely dry. Visually inspect the probe to ensure all surfaces are clean and dry. Repeat the drying steps if any moisture is still visible.
2) Use the probe immediately or store the probe properly (e.g. in a sterile bag) to prevent any further contamination.

6. Management

1) Register the disinfection data for traceability according to local regulations.
2) Examine the probe and cable for damage such as cracks, splitting, sharp edges, or projections. If such damage is found, discontinue use of the device and contact your Samsung Medison representative.