### **SIEMENS**



# ACUSON X150™ Ultrasound System

Approved Pre-Cleaners and High Level Disinfectants for Transducers

## **Pre-Cleaners**

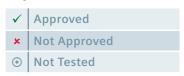
Acrylan			/	, ,	, ,	, ,	, ,	, ,	, /	r
Acrylan    V   V   V   V   V   V   V   V   V										/
Acrylan  Alkazyme  Alkazyme  Alkydiol Spray 40  Alkydiol Spray 40  Ampholysine Plus  Asepti-Wipe  Asepti-Wipe  Asphene 381 Spray  Cavi wipes & Cavicide  Cidalkan  CIDEZYME XTRA  Cleanisept Wipe  Cleanisept Wipe  Alkydiol Spray  Cleanisept Wipe			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	×/	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	45/	$\frac{1}{2}$	×/	0,5/	ς Υ
Acrylan  Alkazyme  Alkazyme  Alkydiol Spray 40  Alkydiol Spray 40  Ampholysine Plus  Asepti-Wipe  Asepti-Wipe  Asphene 381 Spray  Cavi wipes & Cavicide  Cidalkan  CIDEZYME XTRA  Cleanisept Wipe  Cleanisept Wipe  Alkydiol Spray  Cleanisept Wipe		/2			\$/\0		*/ Q	ó/Ś	1/5	
Alkydiol Spray 40  Ampholysine Plus  Asepti-Wipe  Asepti-Wipe  Assphene 381 Spray  Cavi wipes & Cavicide  Cidalkan  CIDEZYME XTRA  Cleanisept Wipe  As with a with	Acrylan	<b>✓</b>	<b>✓</b>	<b>✓</b>		<b>✓</b>	<b>✓</b>	/		
Ampholysine Plus  Asepti-Wipe  Asepti-Zyme  Asphene 381 Spray  Cavi wipes & Cavicide  Cidalkan  CIDEZYME XTRA  Cleanisept Wipe  Cleanisept Wipe forte  Cleanisep	Alkazyme	✓	✓	✓	0	✓	✓	0	0	
Asepti-Wipe  Asepti-zyme  Asphene 381 Spray  Cavi wipes & Cavicide  Cidalkan  CIDEZYME XTRA  Cleanisept Wipe  Cleanisept Wipe	Alkydiol Spray 40	✓	0	0	0	✓	✓	0	0	
Asepti-zyme  Asphene 381 Spray  V O O O V V V O O O O O O O O O O O O	Ampholysine Plus	✓	✓	✓	0	✓	✓	✓	✓	
Asphene 381 Spray	Asepti-Wipe	✓	✓	✓	0	<b>✓</b>	✓	<b>✓</b>	✓	
Cavi wipes & Cavicide  Cidalkan  V V V V O V O O O O O O O O O O O O O	Asepti-zyme	✓	0	0	0	✓	✓	✓	0	
Cidalkan         v         0         0         v         0         0         v         v         0         0         v<	Asphene 381 Spray	✓	0	•	0	<b>✓</b>	✓	✓	0	
CIDEZYME XTRA  V 0 0 0 V V V 0 C Cleanisept Wipe  Cleanisept Wipe forte  Findozime  Find	Cavi wipes & Cavicide	✓	✓	✓	0	✓	✓	✓	0	
Cleanisept Wipe         V	Cidalkan	✓	0	0	0	<b>✓</b>	0	0	0	
Cleanisept Wipe forte	CIDEZYME XTRA	✓	0	0	0	<b>✓</b>	✓	<b>✓</b>	0	
Empower  Endozime  V V V V O O O O O O O O O O O O O O O	Cleanisept Wipe	<b>✓</b>	✓	✓	0	<b>✓</b>	<b>✓</b>	✓	✓	
Endozime  Engarde  V V V V O V V O O  Engarde  Firston  Exidine 4  Firstsinald  V V V V O V V V O  Ensculase  Exidine 4  V V V O V V V O  Exidine 4  Firstsinald  V V V V O V V V O  Exidine 6  Firstsinald  V V V V O V V V O  Exidine 7  Firstsinald  V V V O V V V O  Exidine 8  Firstsinald  V V V V O V V V O  Exidine 9  Firstsinald  V V V V O V V V O  Exidine 9  Firstsinald  V V V O V V V O  Exidine 9  Firstsinald  V V V V O V V V O  Exidine 9  Firstsinald  V V V V O V V V O  Exidine 9  Firstsinald  V V V V O V V V O  Exidine 9  Firstsinald  V V V V O V V V O  Exidine 9  Firstsinald  V V V V O V V V O  Exidine 9  Firstsinald  V V V O V V V O  Exidine 9  Firstsinald  V V V V O V V V O  Exidine 9  Firstsinald  V V V V O V V V O  Exidine 9  Firstsinald  V V V V O V V V O  Exidine 9  Firstsinald  V V V V O V V V O  Exidine 9  Firstsinald  V V V V O V V V O  Exidine 9  Firstsinald  V V V V O V V V V O  Exidine 9  Firstsinald  Firstsinald  V V V V O V V V V O  Exidine 9  Firstsinald  Fir	Cleanisept Wipe forte	✓	✓	✓	0	✓	✓	✓	✓	
Engarde	Empower	✓	0	0	0	✓	✓	✓	0	
Enzol	Endozime	✓	✓	✓	0	✓	✓	✓	0	
Erinox	Engarde	✓	0	0	0	✓	✓	0	0	
Esculase	Enzol	✓	0	0	0	✓	✓	✓	0	
Exidine 4    V   V   O   V   V   O	Erinox	<b>✓</b>	0	0	0	<b>✓</b>	<b>✓</b>	0	0	
Firstsinald    V   V   O   V   V   V	Esculase	<b>✓</b>	✓	✓	0	✓	<b>✓</b>	✓	0	
Hexanios G+R       ✓       <	Exidine 4	<b>✓</b>	✓	✓	0	<b>✓</b>	<b>✓</b>	<b>✓</b>	0	
Incidine         ✓         ○         ○         ✓         ○	Firstsinald	<b>✓</b>	✓	✓	0	<b>✓</b>	✓	✓	✓	
Instru-Zyme       ✓ <t< th=""><th>Hexanios G+R</th><th>✓</th><th>✓</th><th>✓</th><th>•</th><th><b>✓</b></th><th>✓</th><th>✓</th><th>0</th><th></th></t<>	Hexanios G+R	✓	✓	✓	•	<b>✓</b>	✓	✓	0	
Liv des special 45       ✓	Incidine	✓	0	0	0	<b>✓</b>	0	0	0	
Manu-Klenz       ✓       ○       ○       ✓       ✓       ○       ○         Medallion       ✓       ○       ○       ○       ✓       ✓       ✓       ○         Medi-Prep       ✓       ○       ○       ○       ✓       ✓       ○       ○         MetriZyme       ✓       ○       ○       ○       ✓       ✓       ✓       ○       ○         M-Ytdesinfektion       ✓ </th <th>Instru-Zyme</th> <th>✓</th> <th>0</th> <th>0</th> <th>0</th> <th>✓</th> <th>✓</th> <th>✓</th> <th>0</th> <th></th>	Instru-Zyme	✓	0	0	0	✓	✓	✓	0	
Medallion       ✓       ○       ○       ✓       ✓       ✓       ○       ○       ✓       ✓       ○       ○       ○       ✓       ✓       ✓       ○	Liv des special 45	✓	✓	✓	0	<b>✓</b>	✓	✓	0	
Medi-Prep       ✓       ○       ○       ✓       ✓       ○       ○         MetriZyme       ✓       ○       ○       ○       ✓       ✓       ✓       ○         M-Ytdesinfektion       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ✓       ○       ○       ✓       ✓       ✓       ○       ○       ✓	Manu-Klenz	✓	0	0	0	<b>✓</b>	<b>✓</b>	0	•	
MetriZyme       ✓       ○       ○       ✓	Medallion	✓	0	0	0	<b>✓</b>	<b>✓</b>	✓	•	
M-Ytdesinfektion       ✓	Medi-Prep	✓	0	0	0	✓	✓	0	0	
Neodiol +       ✓	MetriZyme	✓	0	0	0	<b>✓</b>	✓	✓	•	
Orthozime         ✓	M-Ytdesinfektion	✓	✓	✓	•	✓	✓	✓	•	
pH7Q	Neodiol +	✓	<b>✓</b>	✓	0	✓	✓	<b>✓</b>	✓	
PI-Spray	Orthozime	✓	<b>✓</b>	✓	0	<b>✓</b>	✓	✓	•	
PI-Spray II	pH7Q	<b>✓</b>	<b>✓</b>	✓	0	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	
	PI-Spray	<b>✓</b>	0	0	0	<b>✓</b>	<b>✓</b>	<b>✓</b>	0	
Preven's D51	PI-Spray II	✓	<b>✓</b>	✓	0	<b>✓</b>	✓	<b>✓</b>	✓	
	Preven's D51	✓	•	•	0	✓	✓	0	•	

2 siemens.com/transducers

## **Pre-Cleaners**

			' /	//	//	' /	//	′ /
	/2		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	/ ~/ */%	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10.5
Protex Spray/Wipes	<b>V</b>	<b>✓</b>	<b>✓</b>	0	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>
Protex Ultra wipes	<b>✓</b>	✓	<b>✓</b>	•	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓
Quat-Stat	✓	0	0	0	✓	✓	0	0
RBS-50	✓	•	0	•	✓	✓	0	0
Rivascop	✓	✓	✓	0	✓	✓	✓	✓
Sani-Cloth AF3	✓	•	0	•	✓	✓	✓	✓
Sani-Cloth HB	✓	✓	✓	•	✓	✓	✓	✓
Sani-Cloth Plus	✓	✓	✓	•	✓	✓	✓	✓
SaniZide	✓	✓	✓	0	✓	✓	✓	✓
Savogerm	✓	0	0	0	✓	✓	•	0
Sekulyse	✓	0	0	0	✓	✓	✓	0
Sekupoudre	✓	0	0	0	✓	✓	•	0
Sekusept	✓	0	0	0	✓	✓	0	0
SONO ultrasound wipes	0	✓	✓	•	✓	✓	✓	✓
Super Sani-Cloth	✓	✓	✓	0	✓	✓	✓	✓
TheraCide	✓	✓	✓	•	✓	✓	•	✓
Transeptic	✓	✓	✓	0	✓	✓	✓	0
Trionic D Wipe	✓	✓	✓	•	✓	✓	✓	✓
Virex II 256	0	0	0	0	0	0	0	0
WEX-CIDE	✓	•	0	0	✓	✓	0	0

### Key



# **High-Level Disinfectants**

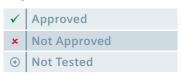
		/	, /	, /	, /	, /	, /	′ /
					/	/ ,	/	45/
		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	A 19	(%) (%) (%)	45 6	$\frac{\gamma}{2}$	\$\\\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	7.0.5
Aidal Plus	/ (	/ W	/ W	/ ~   _/		/ Q	/ ^   _/	/
Alkacide	1	0	0	0	<b>'</b>	<b>,</b>	0	0
Asepti-steryl 14	1	<b>√</b>	<b>√</b>	<b>√</b>	✓ ·	√	✓	✓
Asepti-steryl 28	1	· ·	· ·	·   ✓	√ ·	· · · · · · · · · · · · · · · · · · ·	·   ✓	·
BM-28 Plus	1	·   ✓	·   ✓	*   <b>√</b>	·   ✓	·   ✓	*   <b>√</b>	*   <b>√</b>
Cetylcide-G	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<b>V</b>	<b>V</b>	<b>V</b>   <b>√</b>	<b>V</b> ✓	0	<b>V</b> ✓	<b>V</b> ✓
CIDEX	\ \ \ \	<b>∨</b>   <b>√</b>	<b>*</b>   <b>√</b>	<b>*</b>   <b>√</b>	<b>V</b>   <b>√</b>	<b>√</b>	<b>V</b> ✓	<b>▼</b>
CIDEX 7	\ \ \ \	0	0	0	<b>∀</b>	<b>∀</b>	<b>∀</b>	•
CIDEX OPA	/	<b>√</b>	<b>√</b>	<b>√</b>	<b>*</b>   <b>√</b>	<b>∨</b>	<b>V</b> ✓	<b>√</b>
CIDEX PA	✓	0	0	0	<b>'</b>	<b>,</b>	0	0
CIDEX PLUS	1	✓   ✓	✓   ✓	<b>√</b>	√	√	✓	✓ <b>(</b>
Clorox Bleach germicidal cleaner	<b>√</b>	<b>√</b>	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	0	<b>√</b>
Deson	1	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	0	<b>√</b>
Dispatch	1	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	0	<b>✓</b>
Endosporine	1	<b>√</b>	<b>√</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>
Erihyd Forte	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>
Formac 14	<b>✓</b>	•	0	0	<b>✓</b>	✓	0	0
Formac 28	<b>✓</b>	0	0	0	<b>✓</b>	✓	0	0
Gigasept	<b>✓</b>	•	•	0	✓	✓	0	•
Gigasept FF	<b>✓</b>	✓	✓	✓	✓	✓	0	✓
Glutaraldehyde NS	<b>✓</b>	✓	✓	<b>✓</b>	✓	0	✓	✓
Glutarcide	<b>✓</b>	✓	✓	✓	✓	✓	✓	✓
Glutaster Basica	<b>✓</b>	✓	✓	<b>✓</b>	<b>✓</b>	✓	✓	✓
Instrunet Esporicida	<b>√</b>	✓	✓	<b>✓</b>	<b>✓</b>	0	<b>✓</b>	✓
Korsolex	<b>✓</b>	•	0	0	<b>✓</b>	✓	<b>✓</b>	0
Maxicide NS 14 Day	✓	✓	✓	✓	✓	✓	✓	✓
MedSci	✓	✓	✓	✓	✓	•	✓	✓
Metricide	<b>✓</b>	✓	✓	✓	✓	✓	✓	✓
MetriCide OPA Plus	✓	✓	✓	✓	✓	✓	✓	✓
MetriCide 28	✓	0	0	0	✓	✓	✓	✓
Microcide PA	✓	0	0	0	✓	✓	0	•
mikrozid PAA wipes	0	0	0	0	0	0	0	0
MILTON	✓	✓	✓	✓	✓	✓	0	✓
Nova Plus NS	<b>✓</b>	0	0	0	✓	✓	0	0
Nu-Cidex	✓	•	•	•	✓	•	•	•

4 siemens.com/transducers

# **High-Level Disinfectants**

		/	//	′ /	′ /	′ /	′ /	, /
	/3	12/5/2/5/2/	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	10,20
Omnicide 14NS	<b>✓</b>	✓	✓	✓	✓	✓	✓	✓
Omnicide 28	<b>✓</b>	0	0	•	✓	✓	✓	0
Opal	<b>✓</b>	✓	✓	✓	✓	✓	✓	✓
Oxivir-TB	0	0	0	0	0	0	0	0
Pennysaver +	<b>✓</b>	✓	✓	✓	✓	✓	✓	✓
Procide 14 N.S.	<b>✓</b>	<b>✓</b>	✓	✓	✓	<b>✓</b>	✓	✓
Procide 28	<b>✓</b>	0	0	0	✓	✓	✓	0
Procide Plus	<b>✓</b>	<b>✓</b>	✓	✓	✓	0	✓	✓
Rapicide	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓	✓	0	✓	✓
Resert XL HLD	<b>✓</b>	<b>✓</b>	<b>✓</b>	0	✓	✓	•	0
SBS Glutar 2%	<b>✓</b>	<b>✓</b>	✓	✓	✓	✓	✓	✓
Sekusept Easy	0	0	0	0	•	0	0	0
Sekusept Extra	<b>✓</b>	0	0	0	✓	✓	0	0
Sporadyne	<b>✓</b>	0	0	0	✓	✓	•	0
Sporicidin	<b>✓</b>	0	0	•	✓	0	0	0
Steranios 2% NG	<b>✓</b>	<b>✓</b>	<b>✓</b>	✓	✓	✓	✓	✓
TD-100 Auto Processor	0	0	0	0	0	0	0	0
Tristel Sporicidal Wipes	<b>✓</b>	✓	✓	•	✓	✓	0	0
Trophon EPR, NanoNebulant	0	✓	✓	0	✓	✓	✓	✓
Trophon EPR, Sonex-HL	0	<b>✓</b>	✓	•	✓	✓	✓	✓
VIRKON Triple Salt	<b>✓</b>	<b>✓</b>	✓	✓	<b>✓</b>	<b>✓</b>	0	✓
Wavicide-01	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>

### Key



siemens.com/transducers 5

#### **Important Notes**

Not a claim of efficacy	These disinfectant compatibility tables only indicate that we have evaluated for compatibility with the materials used in the manufacturing of Siemens medical ultrasound transducers and not for their efficacy in bringing about the appropriate level of disinfection. The manufacturer of the solution should be consulted for information regarding the efficacy of each solution.							
Use Only Approved Products	Siemens Medical Solutions can take no responsibility for damage caused by using non-approved cleaning products. Be certain you only use products approved in the attached matrix.							
Notes on some very common chemicals								
Bleach	Bleach (Sodium Hypochlorite) must not be used to soak transducers even in dilute solutions. Soaking transducers in bleach will cause damage. Wiping probes with a cloth dampened with < 10% bleach solution is an acceptable pre-cleaning process.							
Isopropyl Alcohol (IPA)	Transducer must not be soaked in Isopropyl Alcohol. This will cause damage to the transducer. Wiping transducers with a cloth dampened with Isopropal Alcohol is an acceptable pre-cleaning process.							

To extend the useful life of the transducer, the TEE transducer should be withdrawn from the stomach acid environment when not actively acquiring a transgastric view

during the operation procedure. The TEE transducer should be returned to the neutral position and moved out of the stomach and "parked" in the esophagus until such time

ACUSON X150 is a trademark of Siemens Medical Solutions USA, Inc.

**V5M Care and Handling** 

#### Siemens Healthcare Headquarters

Siemens Healthcare GmbH Henkestraße 127 91052 Erlangen Germany

Phone: +49 9131 84-0 siemens.com/healthcare

#### **Legal Manufacturer**

as additional transgastric views are required.

Siemens Medical Solutions USA, Inc. Ultrasound 685 E. Middlefield Road Mountain View, CA 94043 USA

Phone: 1-888-826-9702 www.siemens.com/ultrasound

CC 2046 0815 online | © 08.2015, Siemens Medical Solutions USA, Inc.