

# Recommended Transducer Cleaner and Disinfectant



[a]: Cleaners	[b]: Wipes			[c]: Sprays			[d]: Solutions			[e]: Devices	[f]: Powder
<b>a1:</b> MetriZyme <b>a2:</b> Tristel Pre-Clean Wipes <b>a3:</b> Liquinox <b>a4:</b> Revital-OX Enzymatic Detergent <b>a5:</b> MetriSponge <b>a6:</b> Prolystica 2X Concentrate Enzymatic Cleaner <b>a7:</b> Endozime and Endozime Sponge <b>a8:</b> klenzyme <b>a9:</b> ANIOSYME 5 <b>a10:</b> DDN9	<b>b1:</b> CLEANISEPT® WIPES <b>b2:</b> mikroziid® AF Wipes Jumbo <b>b3:</b> PROTEX™ DISINFECTANT Wipes <b>b4:</b> Sani-Cloth® Plus <b>b5:</b> SONO™ ULTRA-SOUND WIPES <b>b7:</b> Tristel Sporidical Wipes <b>b8:</b> Tristel Rinse Wipes <b>b9:</b> Clinell Universal Wipes/ Clinell® Surface Wipes <b>b10:</b> mikroziid® Sensitive Wipes <b>b11:</b> Wip'Anios premium <b>b12:</b> ultrasound probe cleaning wipes <b>b13:</b> Sani-Cloth AF3 (gray) <b>b14:</b> Protex Ultra Wipes <b>b15:</b> Sani-Cloth HB	<b>b16:</b> CaviWipes <b>b17:</b> Dispatch Towels <b>b18:</b> Accel TB Wipes <b>b19:</b> CaviWipes 1 <b>b20:</b> Tuffle 5 <b>b21:</b> Sani-Cloth Active <b>b22:</b> Septiwipes <b>b23:</b> Mikorbac Tissues <b>b24:</b> Sani-Cloth Germicidal Wipes <b>b25:</b> WIP'ANIOS CLEAN'UP <b>b26:</b> CaviWipes XL <b>b27:</b> OXIVIR™ WIPES <b>b28:</b> Oxivir 1 Wipes <b>b29:</b> PDI SANI-CLOTH BLEACH WIPES <b>b30:</b> wip anios excel <b>b31:</b> Virusolve® + Pronte all'uso Wipes	<b>b32:</b> Super Sani-Cloth® <b>b33:</b> SANI-CLOTH® PRIME WIPES	<b>c1:</b> Oxivir™ <sup>TM/</sup> Tb <b>c2:</b> PI-SPRAY II <b>c3:</b> Surfa'safe <b>c4:</b> TRANSEPTIC <b>c5:</b> PROTEX™ DISINFECTANT SPRAY <b>c7:</b> Tristel Duo <b>c8:</b> IODOCLEAN <b>c9:</b> Protex Spray <b>c10:</b> CaviCide <b>c11:</b> T-Spray <b>c12:</b> Indican Form <b>c13:</b> Transeptic Spray <b>c14:</b> CAVICIDE 1 <b>c15:</b> OXIVIR 1 <b>c16:</b> WIP'ANIOS SPOR'ACTIV <b>c17:</b> Accel TB Liquid	<b>c18:</b> Sani-Hy-PerCide GERMICIDAL SPRAY <b>c19:</b> Sani-24 GERMICIDAL SPRAY	<b>d1:</b> CIDEX OPA <b>d2:</b> Cidex Activated Disinfectant Solution <b>d3:</b> Minncare® Cold Sterilant <b>d4:</b> Ster-Bac <b>d5:</b> Triacid-N <b>d6:</b> Revital-Ox® Resert® High Level Disinfectant <b>d7:</b> Gigasept® PAA concentrate <b>d8:</b> DESCOTON extra <b>d9:</b> Gigasept® FF(neu) <b>d10:</b> ANIOXYDE 1000 <b>d11:</b> SALVANIOS pH10	<b>d12:</b> Cavicide Liquid <b>d13:</b> Metricide <b>d14:</b> Metricide 28 <b>d15:</b> Metricide OPA Plus <b>d16:</b> Cidex Plus <b>d17:</b> Gigasept AF <b>d18:</b> Osvan <b>d19:</b> Neojodin <b>d20:</b> Milton <b>d21:</b> hibitane <b>d22:</b> Sterihyde <b>d23:</b> Metricide 14 <b>d24:</b> Sekusept plus <b>d25:</b> Wavicide-01 <b>d26:</b> SALVANIOS pH7	<b>d27:</b> Minncare liquid disinfectant <b>d28:</b> Virusolve® + Concentrate <b>d29:</b> Virex II 256 <b>d30:</b> UltrOx™ High-Level disinfectant	<b>e1:</b> Trophon-Sonex-HL (Used with Trophon/ Trophon2) <b>e2:</b> Germitec UV-C <b>e3:</b> Vaporized Hydrogen Peroxide (Used with V-PRO Low Temperature Sterilization System) <b>e4:</b> STERRAD® system	<b>f1:</b> Rely+On PeraSafe	

	Probe	[a]: Cleaners	[b]: Wipes	[c]: Sprays	[d]: Solutions	[e]: Devices	[f]: Powder
Convex	C5-1s/C5-1E/C5-1U/C5-1/C5-2/C5-2s/C5-2E/C6-2E/C6-2/C6-2s/C6-2P/C11-3E/C11-3s/C11-3U/C11-3	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b32, b33	c1, c2, c3, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d4, d5, d6, d7, d8, d9, d10, d11, d12, d26, d29, d30	e1, e2	
	C6-2Gs/C6-2GE/C6-2GU/SC7-1U/SC9-2U/SC9-2s/SL10-3U/SCM7-1U/SLM10-3U/SC6-1GU/C6-1/SC6-1MU	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d3, d4, d5, d6, d7, d8, d9, d10, d11, d12, d15, d26, d27, d28, d29, d30	e1, e2	
	C7-3E/C7-3/C31/3C1s/6C2/6C2P/6C2s/35C20EA/35C50EA/35C50EB/35C50P/65C15EAV/65C15EA	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c4, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d2, d3, d4, d5, d6, d7, d8, d9, d10, d11, d12, d13, d14, d15, d26, d27, d28, d29, d30	e1, e2	
	3C5/3C5s/3C5A/3C5P	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c4, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d2, d3, d4, d5, d6, d7, d8, d9, d10, d11, d12, d13, d14, d15, d26, d27, d28, d29, d30	e1, e2	
	SC5-1U/SC5-1E	a1, a2, a3, a4, a5, a6, a7	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b16, b18, b19, b24, b25, b26, b27, b28, b29	c1, c2, c3, c5, c7, c14, c15, c16, c17	d1, d4, d6, d12, d15, d30	e1, e2	
	SC6-1U/SC6-1E/SC6-1s/SC5-1NE/SC5-1Ns/SC5-1N	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d4, d5, d6, d7, d10, d11, d12, d15, d26, d28, d29, d30	e1, e2	
	SC8-2U/SC8-2E/SC8-2s	a1, a8	b15, b25	c4, c11, c16	d1, d9, d16, d20, d25	e1	
	65EC10EA/65EC10EB/65EC10EC	a1, a2, a3, a4, a5, a6, a7, a9	b1, b2, b3, b4, b5, b7, b8, b10, b11, b12, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31	c1, c2, c3, c4, c5, c7, c14, c15, c16, c17, c18, c19	d1, d2, d3, d4, d5, d6, d12, d13, d14, d15, d27, d28, d30	e1, e2, e3	
	65EC10ED	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c4, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d2, d4, d5, d6, d7, d8, d9, d10, d11, d12, d13, d14, d15, d26, d28, d29, d30	e1, e2, e3	
	C4-1/C4-1U/C4-1s	a1, a3, a4, a5, a6, a7	b4, b5, b13, b14, b15, b16, b17, b18, b26, b32, b33	c2, c9	d1, d2, d6, d12, d13, d14, d15, d30	e2	
C9-3Ts	a1, a3, a4, a5, a6, a7	b16, b26	c18, c19	d1, d6, d12, d13, d14, d15, d30	e1, e4		
Linear	L7-3/L7-3s/L7-3E/7L4/7L4s/7L4A/7L4P/7L4B/7L4Bs/7L4BP/7L5/7L5P/7L5s/7L6/7L6s/7L5L38EA/7L38EB/7L5L38EA/7L5L60EA/7L5L38P/10L4/10L4s	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c4, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d2, d3, d4, d5, d6, d7, d8, d9, d10, d11, d12, d13, d14, d15, d26, d27, d28, d29, d30	e1, e2	
	65EL60EA/6LE7/6LE7s/6LE7P/6LE5V/6LE5Vs/6LE5VP/7LT4/7LT4s/7LT4P/7LT4E/50L60EAV/65L50HAV/75L50EAV/75LT38EA/7LT4s (only for the socket with black cover)	a1, a2, a3, a4, a5, a6, a7, a9	b1, b2, b3, b4, b5, b7, b8, b10, b11, b12, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31	c1, c2, c3, c4, c5, c7, c14, c15, c16, c17, c18, c19	d1, d2, d3, d4, d5, d6, d12, d13, d14, d15, d27, d28, d30	e1, e2, e3	
	L9-3/L9-3U/L9-3E/L9-3s/L12-3/L12-3E/L13-3s/L13-3/L12-4s/L12-4s/L14-6N/L14-6Ns/L14-6NP/L14-6NE/L14-6WE/L14-6Ws/L14-6WU	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b32, b33	c1, c2, c3, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d4, d5, d6, d7, d8, d9, d10, d11, d12, d26, d29, d30	e1, e2	

[a]: Cleaners	[b]: Wipes			[c]: Sprays			[d]: Solutions			[e]: Devices	[f]: Powder
<b>a1:</b> MetriZyme <b>a2:</b> Tristel Pre-Clean Wipes <b>a3:</b> Liquinox <b>a4:</b> Revital-OX Enzymatic Detergent <b>a5:</b> MetriSponge <b>a6:</b> Prolystica 2X Concentrate Enzymatic Cleaner <b>a7:</b> Endozime and Endozime Sponge <b>a8:</b> klenzyme <b>a9:</b> ANIOSYME 5 <b>a10:</b> DDN9	<b>b1:</b> CLEANISEPT® WIPES <b>b2:</b> mikrozyd® AF Wipes Jumbo <b>b3:</b> PROTEX™ DISINFECTANT Wipes <b>b4:</b> Sani-Cloth® Plus <b>b5:</b> SONO™ ULTRA-SOUND WIPES <b>b7:</b> Tristel Sporidical Wipes <b>b8:</b> Tristel Rinse Wipes <b>b9:</b> Clinell Universal Wipes/ Clinell® Surface Wipes <b>b10:</b> mikrozyd® Sensitive Wipes <b>b11:</b> Wip'Anios premium <b>b12:</b> ultrasound probe cleaning wipes <b>b13:</b> Sani-Cloth AF3 (gray) <b>b14:</b> Protex Ultra Wipes <b>b15:</b> Sani-Cloth HB	<b>b16:</b> CaviWipes <b>b17:</b> Dispatch Towels <b>b18:</b> Accel TB Wipes <b>b19:</b> CaviWipes 1 <b>b20:</b> Tuffle 5 <b>b21:</b> Sani-Cloth Active <b>b22:</b> Septiwipes <b>b23:</b> Mikorbac Tissues <b>b24:</b> Sani-Cloth Germicidal Wipes <b>b25:</b> WIP'ANIOS CLEAN'UP <b>b26:</b> CaviWipes XL <b>b27:</b> OXIVIR™ WIPES <b>b28:</b> Oxivir 1 Wipes <b>b29:</b> PDI SANI-CLOTH BLEACH WIPES <b>b30:</b> wip anios excel <b>b31:</b> Virusolve® + Pron-te all'uso Wipes	<b>b32:</b> Super Sani-Cloth® <b>b33:</b> SANI-CLOTH® PRIME WIPES	<b>c1:</b> Oxivir™/MC Tb <b>c2:</b> PI-SPRAY II <b>c3:</b> Surfa'safe <b>c4:</b> TRANSEPTIC <b>c5:</b> PROTEX™ DISINFECTANT SPRAY <b>c7:</b> Tristel Duo <b>c8:</b> IODOCLEAN <b>c9:</b> Protex Spray <b>c10:</b> CaviCide <b>c11:</b> T-Spray <b>c12:</b> Indican Form <b>c13:</b> Transeptic Spray <b>c14:</b> CAVICIDE 1 <b>c15:</b> OXIVIR 1 <b>c16:</b> WIP'ANIOS SPOR'ACTIV <b>c17:</b> Accel TB Liquid	<b>c18:</b> Sani-Hy-PerCide GERMI-CIDAL SPRAY <b>c19:</b> Sani-24 GERMI-CIDAL SPRAY	<b>d1:</b> CIDEX OPA <b>d2:</b> Cidex Activated Di-aldehyde Solution <b>d3:</b> Minncare® Cold Sterilant <b>d4:</b> Ster-Bac <b>d5:</b> Triacid-N <b>d6:</b> Revital-Ox® Resert® High Level Disinfectant <b>d7:</b> Gigasept® PAA concentrate <b>d8:</b> DESCOTON extra <b>d9:</b> Gigasept® FF(neu) <b>d10:</b> ANIOXYDE 1000 <b>d11:</b> SALVANIOS pH10	<b>d12:</b> Cavicide Liquid <b>d13:</b> Metricide <b>d14:</b> Metricide 28 <b>d15:</b> Metricide OPA Plus <b>d16:</b> Cidex Plus <b>d17:</b> Gigasept AF <b>d18:</b> Osvan <b>d19:</b> Neojodin <b>d20:</b> Milton <b>d21:</b> hibitane <b>d22:</b> Sterihyde <b>d23:</b> Metricide 14 <b>d24:</b> Sekusept plus <b>d25:</b> Wavicide-01 <b>d26:</b> SALVA-NIOS pH7	<b>d27:</b> Minncare liquid disinfectant <b>d28:</b> Virusolve® + Concentrate <b>d29:</b> Virex II 256 <b>d30:</b> UltrOx™ High-Level disinfectant	<b>e1:</b> Trophon-Sonex-HL (Used with Trophon/ Trophon2) <b>e2:</b> Germitec UV-C <b>e3:</b> Vaporized Hydrogen Peroxide (Used with V-PRO Low Temperature Sterilization System) <b>e4:</b> STERRAD® system	<b>f1:</b> Rely+On PeraSafe	

	Probe	[a]: Cleaners	[b]: Wipes	[c]: Sprays	[d]: Solutions	[e]: Devices	[f]: Powder
Linear	L10-3E/L10-3s	a1	b25	c5	d1, d25	e1	
	L11-3U/L11-3VNs/L13-3N/L13-3Ns/L14-3s/L14-3WU/L14-3WE/L14-3Ws/L14-3W	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d3, d4, d5, d6, d7, d8, d9, d10, d11, d12, d15, d26, d27, d28, d29, d30	e1, e2	
	L11-4/L11-4s/L14-6/L14-6s/L14-6P/10L24EA	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d4, d5, d6, d7, d10, d11, d12, d15, d26, d28, d29, d30	e1, e2	
	L16-4HE/L16-4Hs/L16-4HU	a8				d1, d2	
	L16-4Hs (only for the socket with black cover)					e4	
	LM14-6E/LM14-6s/LM16-4U	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c4, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d2, d3, d4, d5, d6, d7, d8, d9, d10, d11, d12, d13, d14, d15, d26, d27, d28, d29, d30	e1, e2	
	L20-5U/L20-5s/L20-5E	a1, a3, a4, a5, a6, a7, a9, a10	b4, b5, b13, b14, b15, b16, b17, b18, b25, b26, b31	c2, c9	d1, d2, d6, d12, d13, d14, d15, d28, d29, d30		
	L12-3RCs/L12-3VNs	a9	b1, b4, b5, b11, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c3, c14, c15, c16, c17, c18, c19	d12, d28	e1, e2	
	L13-3WE/L13-3WU/L13-3Ws/L15-3WE/L15-3WU/L15-3Ws/L18-5WU/LM18-5WU/LM24-6WU	a9, a10	b13, b25, b29, b30, b31, b32, b33	c7, c16, c18, c19	d28, d29		
	L14-5sp	a1, a3, a4, a5, a6, a7	b4, b5, b13, b14, b15, b16, b17, b18, b26, b32, b33	c2, c9	d1, d2, d6, d12, d13, d14, d15, d30	e1, e2	
L14-5WU/L14-5WE/L14-5Ws	a1, a3, a4, a5, a6, a7	b4, b5, b13, b14, b15, b16, b17, b18, b26, b32, b33	c2, c9, c11	d1, d2, d6, d12, d13, d14, d15, d30	e2		
L30-8U/L33-8U/L33-8s	a8				d2		
L9-3PAU				c18, c19			
Phased	P4-2/P4-2s/P4-2E/P4-2NE/P4-2Ns/P10-4E/P10-4s/P10-4U/P10-4/2P2/2P2s/2P2P	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c4, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d2, d3, d4, d5, d6, d7, d8, d9, d10, d11, d12, d13, d14, d15, d26, d27, d28, d29, d30	e1, e2	
	P7-3/P7-3s/P7-3E/P7-3U/P7-3P	a1, a8	b3, b4, b15, b25, b29	c2, c4, c5, c16	d1, d2, d11, d13, d16, d20, d25	e1	
	P12-4/P12-4s	a1	b5, b25, b29	c1, c2, c5, c16	d1, d2, d3, d4, d5, d27	e1	
	SP5-1U/SP5-1s/SP5-1E/SP5-1	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d4, d5, d6, d7, d10, d11, d12, d15, d26, d28, d29, d30	e1, e2	
	SP5-1Ns/SP5-1N	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b32, b33	c1, c2, c3, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d4, d5, d6, d7, d8, d9, d10, d11, d12, d26, d29, d30	e1, e2	
	LFP5-1s/LFP5-1U/LFC5-1s/LFC5-1U	a10	b1, b4, b5, b11, b13, b16, b18, b19, b24, b26, b27, b28, b32, b33	c1, c3, c14, c15, c17, c18, c19	d12, d29		
P8-2s/P8-2/P8-2U/P8-2P/SP9-2U/SPM6-1U/XP5-1U	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d3, d4, d5, d6, d7, d8, d9, d10, d11, d12, d15, d26, d27, d28, d29, d30	e1, e2		

[a]: Cleaners		[b]: Wipes			[c]: Sprays			[d]: Solutions			[e]: Devices	[f]: Powder
<b>a1:</b> MetriZyme	<b>b1:</b> CLEANISEPT® WIPES	<b>b16:</b> CaviWipes	<b>b32:</b> Super Sani-Cloth®	<b>c1:</b> Oxivir™/MC Tb	<b>c18:</b> Sani-Hy-PerCide	<b>d1:</b> CIDEX OPA	<b>d12:</b> Cavicide Liquid	<b>d27:</b> Minncare liquid disinfectant	<b>e1:</b> Trophon-Sonex-HL (Used with Trophon/Trophon2)	<b>f1:</b> Rely+On PeraSafe		
<b>a2:</b> Tristel Pre-Clean Wipes	<b>b2:</b> mikrozi® AF Wipes Jumbo	<b>b17:</b> Dispatch Towels	<b>b18:</b> Accel TB Wipes	<b>c2:</b> PI-SPRAY II	<b>c3:</b> Surfa'safe	<b>d2:</b> Cidex Activated Di-aldehyde Solution	<b>d13:</b> Metricide	<b>d28:</b> Virusolve® + Concentrate				
<b>a3:</b> Liquinox	<b>b3:</b> PROTEX™ DISINFECTANT Wipes	<b>b19:</b> CaviWipes 1	<b>b20:</b> Tuffle 5	<b>c4:</b> TRANSEPTIC	<b>c5:</b> PROTEX™ DISINFECTANT SPRAY	<b>d3:</b> Minncare® Cold Sterilant	<b>d14:</b> Metricide 28	<b>d29:</b> Virex II 256	<b>e2:</b> Germitec UV-C			
<b>a4:</b> Revital-OX Enzymatic Detergent	<b>b4:</b> Sani-Cloth® Plus	<b>b21:</b> Sani-Cloth Active	<b>b22:</b> Septiwipes	<b>c7:</b> Tristel Duo	<b>c8:</b> IODOCLEAN	<b>d4:</b> Ster-Bac	<b>d15:</b> Metricide OPA Plus	<b>d30:</b> UltrOx™ High-Level disinfectant	<b>e3:</b> Vaporized Hydrogen Peroxide (Used with V-PRO Low Temperature Sterilization System)			
<b>a5:</b> MetriSponge	<b>b5:</b> SONO™ ULTRA-SOUND WIPES	<b>b23:</b> Mikorbac Tissues	<b>b24:</b> Sani-Cloth Germicidal Wipes	<b>c9:</b> Protex Spray	<b>c10:</b> CaviCide	<b>d5:</b> Triacid-N	<b>d16:</b> Cidex Plus					
<b>a6:</b> Prolystica 2X Concentrate Enzymatic Cleaner	<b>b7:</b> Tristel Sporidical Wipes	<b>b25:</b> WIP'ANIOS CLEAN'UP	<b>b26:</b> CaviWipes XL	<b>c11:</b> T-Spray	<b>c12:</b> Indican Form	<b>d6:</b> Revital-Ox® Resert® High Level Disinfectant	<b>d17:</b> Gigasept AF	<b>d20:</b> Milton	<b>e4:</b> STERRAD® system			
<b>a7:</b> Endozime and Endozime Sponge	<b>b8:</b> Tristel Rinse Wipes	<b>b27:</b> OXIVIR™ WIPES	<b>b28:</b> Oxivir 1 Wipes	<b>c13:</b> Transeptic Spray	<b>c14:</b> CAVICIDE 1	<b>d7:</b> Gigasept® PAA concentrate	<b>d18:</b> Osvan	<b>d21:</b> hibatane				
<b>a8:</b> klenzyme	<b>b9:</b> Clinell Universal Wipes/ Clinell® Surface Wipes	<b>b29:</b> PDI SANI-CLOTH BLEACH WIPES	<b>b30:</b> wip anios excel	<b>c15:</b> OXIVIR 1	<b>c16:</b> WIP'ANIOS SPOR'ACTIV	<b>d8:</b> DESCOTON extra	<b>d19:</b> Neojodin	<b>d22:</b> Sterihyde				
<b>a9:</b> ANIOSYME 5	<b>b10:</b> mikrozi® Sensitive Wipes	<b>b31:</b> Virusolve® + Pron-te all'uso Wipes		<b>c17:</b> Accel TB Liquid		<b>d9:</b> Gigasept® FF(neu)	<b>d23:</b> Metricide 14					
<b>a10:</b> DDN9	<b>b11:</b> Wip'Anios premium					<b>d10:</b> ANIOXYDE 1000	<b>d24:</b> Sekusept plus					
	<b>b12:</b> ultrasound probe cleaning wipes					<b>d11:</b> SALVANIOS pH10	<b>d25:</b> Wavicide-01					
	<b>b13:</b> Sani-Cloth AF3 (gray)						<b>d26:</b> SALVANIOS pH7					
	<b>b14:</b> Protex Ultra Wipes											
	<b>b15:</b> Sani-Cloth HB											

	Probe	[a]: Cleaners	[b]: Wipes	[c]: Sprays	[d]: Solutions	[e]: Devices	[f]: Powder
Endo-cavity	V11-3/V11-3BE/V11-3B/V11-3WE/ V11-3Ws/V11-3E/V11-3s	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b32, b33	c1, c2, c3, c4, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d2, d3, d4, d5, d6, d10, d11, d12, d13, d14, d15, d26, d27, d29, d30	e1, e2, e3	
	V11-3HU/V11-3HE/V11-3Hs/V11-3H/V11-3HB/ V11-3HBs/V11-3HBE/SV10-2U/SV10-2s	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d3, d4, d5, d6, d7, d8, d9, d10, d11, d12, d15, d26, d27, d28, d29, d30	e1, e2	
	V11-3HBs V11-3Hs (only for the socket with black cover)					e4	
	V10-4/V10-4s/V10-4B/V10-4Bs/V10-4BP/ 6CV1/6CV1s/6CV1P	a1, a2, a3, a4, a5, a6, a7, a9, a10	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c4, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d2, d4, d5, d6, d7, d8, d9, d10, d11, d12, d13, d14, d15, d26, d28, d29, d30	e1, e2, e3	
Pencil	CW2s/CW5s/CW5				d1, d2, d4, d5		
Biplane	CB10-4/CB10-4P/CB10-4E/CB10-4s	a1, a2, a3, a4, a5, a6, a7, a9	b1, b2, b3, b4, b5, b7, b8, b10, b11, b12, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31	c1, c2, c3, c4, c5, c7, c14, c15, c16, c17, c18, c19	d1, d2, d3, d4, d5, d6, d12, d13, d14, d15, d27, d28, d30	e1, e2, e3	
	6LB7/6LB7s/6LB7P/6LB7E/65E10EA	a1, a2, a3, a4, a5, a6, a7, a9	b1, b2, b3, b4, b5, b7, b8, b10, b11, b12, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31	c1, c2, c3, c4, c5, c7, c14, c15, c16, c17, c18, c19	d1, d2, d3, d4, d5, d6, d12, d13, d14, d15, d27, d28, d30	e2, e3	
	ELC13-4U/ELC13-4s/ELC10-4	a9	b1, b4, b5, b11, b16, b18, b19, b24, b26, b27, b28, b30, b31	c1, c3, c7, c14, c15, c17	d1, d12, d15, d28		
4D	4CD4/4CD4s/D6-2E				d1, d2, d4		
	D7-2/D7-2E/D7-2s/SD8-1E/SD8-1s/SD8-1/ SD8-1U/D6-2/D6-2P/D6-2EA/D6-2B/D6-2A	a1, a2, a3, a4, a5, a6, a7, a9	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b29, b30, b31, b32, b33	c1, c2, c3, c4, c5, c7, c8, c14, c15, c16, c17, c18, c19	d1, d2, d3, d4, d5, d6, d10, d11, d12, d13, d14, d15, d26, d27, d28, d30	e1	
	D6-2NE/DL14-3U	a1			d1, d18, d19, d20, d21, d22	e1	
	D8-2E/D8-2U		b10, b16, b19, b20, b21	c2, c10	d1, d2, d9	e1	f1
	D8-4U		b4, b10, b16, b19, b20	c2, c10, c11	d1, d2, d16, d17		f1
	DE10-3/DE10-3E/DE10-3U/DE10-3s		b10, b16, b19, b20, b21, b32, b33	c2, c10, c11	d1, d2, d16, d17	e1, e2	f1
	DE11-3U/DE11-3s/DE11-3E/ DE11-3/DE11-3WE/DE11-3Ws/DE11-3WU	a1, a2, a3, a4, a5, a6, a7	b1, b2, b3, b4, b5, b7, b8, b9, b10, b11, b12, b13, b16, b18, b19, b24, b25, b26, b27, b28, b32, b33	c1, c2, c3, c5, c7, c8, c14, c15, c17, c18, c19	d1, d3, d4, d5, d6, d7, d8, d9, d10, d11, d12, d15, d26, d27, d30	e1, e3	
	DE10-3WU/DE10-3WE (only for the probe with gray strain relief)	a8	b1, b12, b15, b16, b20, b21, b22, b23, b24	c2, c11, c12, c13	d1, d2, d15, d16, d17, d23, d24, d25	e1, e2	f1
DE10-3Ws DE10-3WU/DE10-3WE/(only for the probe with white strain relief)			c18	d1			

## Active Ingredients of the Cleaner

Cleaner	Active Ingredients
MetriZyme/MetriSponge:	Proteinase subtilisin
Revital-OX Enzymatic Detergent:	Citric acid, Triethanolamine, Ethanolamine, Ethoxylated coconut oil alkyl amine, Subtilisins (proteolytic enzymes), Glycerine
Endozime and Endozime Sponge:	Subtilisins (proteolytic enzymes)
Prolystica 2X Concentrate Enzymatic Cleaner/klenzyme/ Liquinox/Tristel Pre-Clean Wipes:	enzymatic detergent
ANIOSYME 5:	ionic surfactants, sequestering agent, stabilising agent, enzymatic complex, Excipients
DDN9	N PROPIONATE, N-DIDECYL—N-METHYL-POLY(OXYETHYL)AMMONIUM TETRAPOTASSIUM ETHYLENEDIAMINETETRAACETATE EDETTIC ACID

## Active Ingredients of the Disinfectant

Disinfectant	Active Ingredients
Tristel Trio Wipes System/Tristel Jet/ Tristel Duo/Tristel Sporidical Wipes:	chlorine dioxide
IODOCLEAN	sodium thiosulfate and excipients
Ster-Bac/PI-SPRAY II/mikrozid® Sensitive Wipes/Clinell Universal Wipes/Sani-Cloth HB/Sani-Cloth Active/T-Spray/Mikorbac Tissues/Sani-Cloth Germicidal Wipes/SALVANIOS pH7/SALVANIOS pH10/Protex Ultra Wipes/CaviWipes XL/CAVICIDE 1:	Quaternary Ammoniums
Tristel Rinse Wipes:	deionized water
Cidex OPA:	0.55% Ortho-phthlaldehyde
DESCOTON extra/Wavicide-01:	glutaraldehyde
Oxivir <sup>TM</sup> Tb:	0.5% hydrogen peroxide
Sani-Cloth® Plus:	n-Alkyl dimethyl benzyl ammonium chloride n-Alkyl ethylbenzyl ammonium chloride
CaviWipes:	isopropanol, ethylene glycol monobutyl ether (2-butoxyethanol), diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride, water
CaviWipes 1:	isopropanol, ethanol, ethylene glycol monobutyl ether (2-butoxyethanol), didecyldime-thylammonium chloride, water
Dispatch Towels:	Sodium hydroxide, Sodium metasilicate, Sodium hypochlorite
SONO™ ULTRASOUND WIPES:	octyl decyl dimethyl ammonium chloride; dioctyl dimethyl ammonium chloride; didecyl dimethyl ammonium chloride; dimethyl benzyl ammonium chloride
MinnCare® Cold Sterilant/ Minncare liquid disinfectant:	22% Hydrogen Peroxide, 4.5% Peroxyacetic Acid
mikrozid® AF Wipes Jumbo:	25% ethanol; 35% propan-1-ol
CLEANISEP™ WIPES:	0.25g didecyldimethylammoniumchloride 0.5g quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl-, chlorides
Wip'Anios premium:	didecyldimethylammonium chloride 1.4mg/g, polyhexamethylene biguanide hydrochloride 0.96mg/g
Cidex Activated Dialdehyde Solution:	glutaraldehyde
TRANSEPTIC:	isopropyl alcohol, chlorhexidine gluconate
Protex Spray:	Quaternary ammonium compounds di-C8-10-alkyldimethyl, chlorides Water

Disinfectant	Active Ingredients
Sani-HyPerCide GERMICIDAL SPRAY	hydrogen
Sani-24 GERMICIDAL SPRAY	Quaternary Ammoniums, Ethanol
SANI-CLOTH® PRIME WIPES	Quaternary Ammoniums
STERRAD® system	Hydrogen peroxide plasma
gigasept® FF(neu):	0.11g succindialdehyde; 0.3g dimethoxytetrahydrofuran; < 5% anionic surfactant; non-ionic surfactants; anti-corrosion compounds; fragrance
gigasept® PAA concentrate:	peracetic acid (5%); hydrogen peroxide: acetic acid; potassium hydroxide: corrosion inhibitor
Protex™ Disinfectant Spray/ Protex™ Disinfectant Wipes:	octyl decyl dimethyl ammonium chloride; dioctyl dimethyl ammonium chloride; didecyl dimethyl ammonium chloride; dimethyl benzyl ammonium chloride
Triacid-N:	N-Dodecylpropan-1,3-diamin; propan-2-ol; isotridecanol, ethoxylated; non-ionic detergent
Surfa'safe:	didecyldimethylammonium chloride 1.4mg/g, polyhexamethylene biguanide hydrochloride 0.96mg/g
Revital-Ox® Resert® High Level Disinfectant/UltrOx™ High-Level disinfectant/TrophonSonex-HL:	Hydrogen peroxide
ANIOXYDE 1000:	3% Hydrogen Peroxide
Sani-Cloth AF3:	Quaternary ammonium chlorides.
Metricide OPA Plus:	Ortho-phthlaldehyde
Metricide/Metricide 14/Metricide 28:	Glutaraldehyde
CaviCide:	isopropanol, ethanol, ethylene glycol monobutyl ether (2-butoxyethanol), diisobutylphe-noxyethoxyethyl dimethyl benzyl ammonium chloride, water
Gigasept AF:	didecyldimethylammonium chloride, glycine, aminoalkyl derivs tridecylpolyethylenglycoether.
Rely+On PeraSafe:	disodium carbonate, citric acid
Cidex Plus:	glutaraldehyde
Sonogel:	carbomer, polyacrylat
Sterihyde:	Glutaraldehyde
Osvan:	Ammonia benzalkonium
Neojodin:	povidone-iodine
Milton:	sodium hypochlorite
Hibitane:	Hlorhexidine
WIP'ANIOS CLEAN'UP:	Association of surfactants, excipients
OXIVIR 1/OXIVIR™ WIPES/ Oxivir 1 Wipes/Accel TB Liquid/Accel TB Wipes:	Hydrogen peroxide
WIP'ANIOS SPOR'ACTIV:	Hydrogen peroxide and peroxyacetic acid mixture stabilized
PDI SANI-CLOTH BLEACH WIPES:	Sodium hypochlorite
wip anios excel:	Didecyldimethylammonium chloride, non-ionic surfactants, sequestering agent, excipients
Virusolve® + Pronte all'uso Wipes:	Polycarboxylate, non ionic emulsifier, alcohol, Didecyldimethyl ammonium Chloride, Bis(3-aminopropyl)dodecylamine
Virusolve® + Concentrate:	2-Aminoethanol, Didecyldimethyl ammonium Chloride, Propan-2-ol, Potassium Carbonate
Super Sani-Cloth®	Quaternary Ammoniums
Virex II 256	Quaternary Ammoniums

## Registered disinfectants in Canada

Drug Identification NO./ License NO.	Name
74736	V-PRO Low Temperature Sterilization System

Drug Identification NO./ License NO.	Name
2981	STERRAD® system
02286467	Revital-Ox® Resert® High Level Disinfectant
100935	Trophon/Trophon2
01963996	Metricide
01964461	Metricide 28
02197170	Wavicide-01
02277484	MinnCare liquid disinfectant
02161656	Cavicide Liquid
02247354	Super Sani-Cloth®
02517000	SANI-CLOTH® PRIME WIPES

## Registered disinfectants in FDA region

Registration NO.	Name	Microbicidal Method
FDA 510(k)	K190103 V-PRO Low Temperature Sterilization System	Sterilization
	K924434 Cidex Activated Dialdehyde Solution	High-level disinfectant and Sterilization
	K030004 CIDEX OPA	High-level disinfectant
	K923744 Cidex Plus	High-level disinfectant and Sterilization
	K080420 Revital-Ox® Resert® High Level Disinfectant	High-level disinfectant
	K091022 UltrOx™ High-Level disinfectant	High-level disinfectant
	K103059 Trophon	High-level disinfectant
	K173865 Trophon2	High-level disinfectant
	K930284 Metricide	High-level disinfectant and Sterilization
	K931052 Metricide 28	High-level disinfectant and Sterilization
	K140703 Metricide OPA Plus	High-level disinfectant
	K914749 Wavicide-01	High-level disinfectant and Sterilization
	K954142 STERRAD® system	Sterilization
EPA	9480-6 Sani-Cloth® Plus	Low-level disinfectant
	70627-56 Oxivir <sup>TM</sup> Tb	Low-level disinfectant
	9480-9 Sani-Cloth AF3 (gray)	Low-level disinfectant
	46781-8 CAVIWIPES	Low-level disinfectant
	46781-6 CAVICIDE	Low-level disinfectant
	70627-60 OXIVIR™ WIPES	Low-level disinfectant
	46781-12 CAVICIDE 1	Low-level disinfectant
	9480-4 Super Sani-Cloth®	Low-level disinfectant
	9480-12 SANI-CLOTH® PRIME WIPES	Low-level disinfectant
	9480-14 Sani-HyPerCide GERMICIDAL SPRAY	Low-level disinfectant
	42182-9-9480 Sani-24 GERMICIDAL SPRAY	Low-level disinfectant
	9480-8 PDI SANI-CLOTH BLEACH WIPES	Low-level disinfectant
	70627-24 Virex II 256	Low-level disinfectant

## Cleaning, Disinfecting (Sterilizing) Procedures

After completing each examination, clean, disinfect or sterilize the probes as required. If necessary, repeat the cleaning, disinfection (or sterilization) process before next use. When biopsy procedures have been performed, be sure to sterilize the needle-guided bracket. Failure to do so may result in the probe and the needle-guided bracket becoming sources of infection. Please follow the instructions in the manual for cleaning.

### WARNING

Never immerse the probe connector into liquids such as water or disinfectant, for the connector is not waterproof. Immersion may cause electric shock or malfunction.

### CAUTION

- No cleaning and disinfecting may result in the probe becoming a source of infection.
- Please follow the disinfectant manufacturer's manual for performing cleaning and disinfection, including preparing sterile water and cleaning and disinfection time.

### NOTE:

- After the examination, wipe off the ultrasound gel thoroughly. Otherwise, the ultrasound gel may solidify and degrade the image quality of the probe.
- DO NOT make the probe become overheated (more than 55 °C) during cleaning and disinfections. High temperature may cause the probe to become deformed or damaged.
- Observe the illustration graph carefully to immerse the probe. Only soak parts of the probe below the strain relief.
- Repeated disinfection or sterilization will eventually damage the probe, please check the probe performance periodically.
- Clean the probe thoroughly in accordance with the cleaning procedure before disinfection or sterilization.
- For details about probe types, refer the operator's manuals of the ultrasound system.
- For details about recommended disinfectants for probes, see the "Cleaner and Disinfectant" table.
- For use of each disinfectant, please refer to the manufacturer's instructions.

For V-PRO Low Temperature Sterilization System:

- The probe should be placed into a STERIS Sterilization Tray and wrapped with sterilization wrap. In Canada/FDA region, the STERIS Sterilization Tray and sterilization wrap should be cleared by the FDA/HC, such as H600 OneStep® sterilization wrap.
- Start the sterilization system using the Non Lumen Cycle according to the instructions provided by the manufacturer.
- Please select the proper disinfectant for the probe of the Diagnostic Ultrasound System. The content of this document shall prevail in case of other new editions.
- Refer to local regulations for the use of each disinfectant.

## Cleaning, Disinfection, and Sterilization Overview

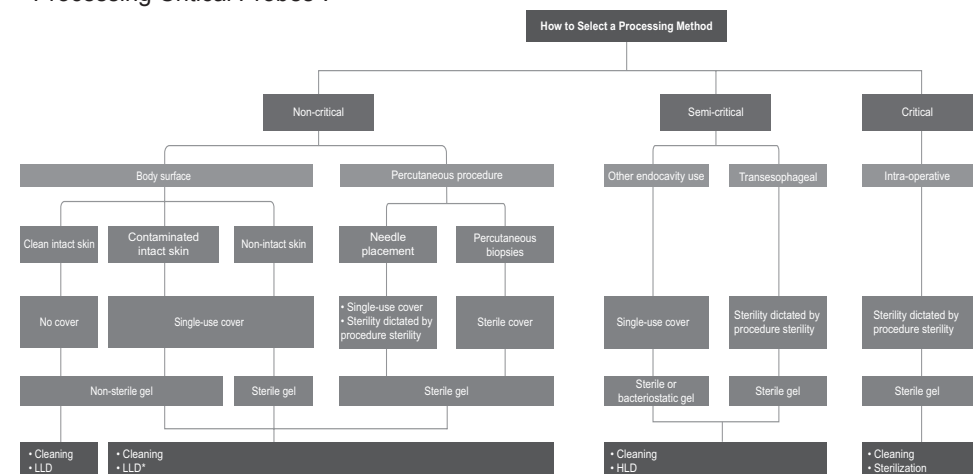
Cleaning and disinfection refer to two distinct processes. According to the Centers for Disease Control and Prevention (CDC) "Guideline for Disinfection and Sterilization in Healthcare Facilities" (2008):

- Cleaning is the removal of visible soil (e.g. organic and inorganic material) from objects and surfaces and normally is accomplished manually or mechanically using water with detergents or enzymatic products. Thorough cleaning is essential before high-level disinfection and sterilization because inorganic and organic material that remains on the surfaces of instruments interfere with the effectiveness of these processes.
- Disinfection describes a process that eliminates many or all pathogenic microorganisms, except bacterial spores.
  - Low-Level Disinfection (LLD): Destruction of most bacteria, some viruses, and some fungi.
  - High-Level Disinfection (HLD): Destruction/removal of all microorganisms except bacterial spores.
- Sterilization describes a process that destroys or eliminates all forms of microbial life and is carried out in healthcare facilities by physical or chemical methods.

## Selecting a Cleaning, Disinfection/Sterilization Method

Probes can be divided into three categories based on their intended use according to the standard ISO 17664-1:2021. Some probes may fall into more than one category (e.g. probes use for biopsy procedures). When selecting a disinfectant, determine the required level of disinfection based on intended use and possibility of cross-contamination.

- Non-critical items: come into contact with intact skin only or are devices not intended for direct patient contact. Probes that only come into contact with clean, intact skin are considered noncritical devices and require cleaning after every use. Cleaning may be followed by a low-level disinfectant spray or wipe. For details, see " Processing Non-Critical Probes".
- Semi-critical items: come into contact with mucous membranes. This category includes all endocavity probes - transvaginal, transrectal, and transesophageal (TEE). These semi-critical probes must be cleaned with an appropriate cleaner after use followed by high-level disinfection. For details, see " Processing Semi-Critical Probes".
- Critical items: enter normally sterile parts of the human body. These probes are considered critical and include all intraoperative probes. These probes must be cleaned with an appropriate cleaner after each use, followed by a sterilization process. For details, see " Processing Critical Probes".



## NOTE

LLD marked with \* indicates that those categories must undergo low-level disinfectants that are effective against the mycobacteria and bloodborne pathogens. For details, consider referencing the position statement of the American Institute of Ultrasound in Medicine “Guidelines for Cleaning and Preparing External- and Internal-Use Ultrasound Transducers and Equipment Between Patients as well as Safe Handling and Use of Ultrasound Coupling Gel” at <https://www.aium.org/resources/official-statements/view/guidelines-for-cleaning-and-preparing-external--and-internal-use-ultrasound-transducers-and-equipment-between-patients-as-well-as-safe-handling-and-use-of-ultrasound-coupling-gel>.

## Processing Non-Critical Probes

Processing of non-critical probes requires a two-step process: Cleaning of the probe followed by low-level disinfection.

### WARNING

Use protective eyewear when disinfecting the probe using sprays.

Perform the following procedure:

1. Wear a pair of gloves to prevent infection through the whole processing.
2. Disconnect the probe from the system. If the sheath is used, take off the sheath and discard it.
3. Clean the probe.
  - a. Select an appropriate low-level disinfectant wipe or a piece of disposable lint-free soft cloth soaked with a disinfectant spray. For details about recommended disinfectants for probes, see the “Cleaner and Disinfectant” table.
  - b. Wipe all the surface of the probe according to the wiping duration specified in the operator’s manual provided by the manufacturer.  
When necessary, clean and disinfect the seams or biopsy guide features by using disposable cotton swabs.
4. Disinfect the probe.  
Prepare a new low-level disinfectant wipe or a piece of disposable lint-free soft cloth soaked with a disinfectant spray to wipe the probe again.
5. Inspect the probe. If visible dirt still exists, repeat the preceding steps to wipe the probe until it is all clean.
6. Allow the probe to air dry in a clean and well-ventilated place or dry the probe with a piece of disposable lint-free soft cloth or tissue.  
Do not dry the probe by heating.
7. Check whether the probe has defects such as peeling, rifts, bumps, cracks, or liquid spill. If such defects exist, the probe has reached the end of its service life. In this case, stop using it and contact the Mindray service department.
8. Store the probe in a cool, clean and dry environment.

## Processing Semi-Critical Probes

Processing of semi-critical probes requires a two-step process: Cleaning of the probe followed by high-level disinfection.

For detailed information on the TEE cleaning and disinfection, see the accompanying TEE manual.

### Before Processing

This step is to remove the ultrasound gel or other visible dirt.

1. Wear a pair of gloves to prevent infection through the whole processing.
2. Disconnect the probe from the system. If the sheath is used, take off the sheath and discard it. Wipe off the ultrasound gel or other visible dirt on the surface of the probe by using a damp piece of disposable lint-free soft cloth or tissue.

### Cleaning

Select wipes or detergent to clean the probe. For details about recommended cleaners or disinfectants for probes, see the “Cleaner and Disinfectant” table.

#### Cleaning with Wipes

Perform the following procedure:

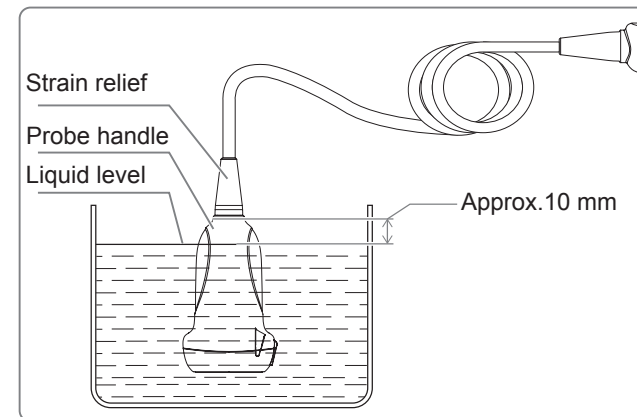
1. Use an approved cleaning or disinfectant wipe, cleaning sponge, or a soft cloth soaked in approved cleaner or disinfectant to clean all surfaces of the probe thoroughly.
2. Dry the probe with a piece of disposable lint-free soft cloth or tissue.  
Do not dry the probe by heating.
3. Inspect the probe. If visible dirt still exists, repeat the preceding steps to wash the probe until it is all clean.

#### Cleaning with Detergent

Perform the following procedure:

1. Choose an appropriate cleaning agent including mild detergents, and enzymatic.
2. Immerse the probe fully in the cleaning fluid for at least 1 minute or according to manufacturer’s instructions. Lightly clean the probe with a piece of lint-free soft cloth or soft sponge until no dirt is visible. When necessary, clean the seams or biopsy guide features by using disposable cotton swabs. Avoid using a brush to wash the lens because it may damage the probe.

Observe the graph here carefully to immerse the probe. Only soak parts of the probe below the strain relief.



3. Rinse the probe thoroughly by using a large amount of clean water (about 7.5 L/2 gallons) at room temperature for about 1 minute to remove the residual dirt and cleaning solvent.
4. Dry the probe with a piece of disposable lint-free soft cloth or tissue.  
Do not dry the probe by heating.
5. Inspect the probe. If visible dirt still exists, repeat the preceding steps to wash the probe until it is all clean.

## High-Level Disinfection

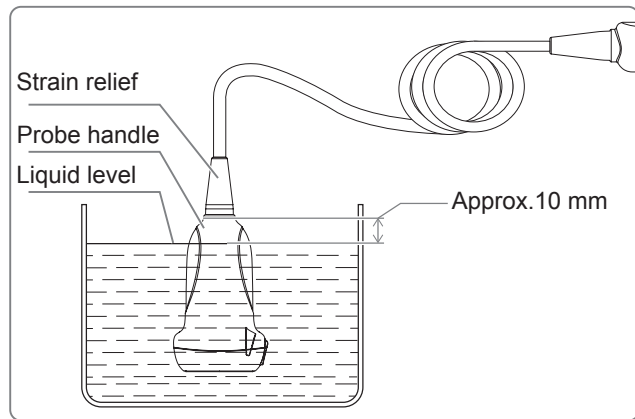
You can disinfect the probe by using an appropriate high-level disinfectant solution or device. For details about recommended disinfectants or devices for probes, see the “Cleaner and Disinfectant” table.

### Disinfection with Solution

Perform the following procedure:

1. Follow the operator’s manual provided by the manufacturer to disinfect the probe using a high-level disinfectant.
2. Prepare a disinfectant by using sterile distilled or softened water when necessary.
  - Soaking: Immerse the probe head in the disinfectant and shake the probe appropriately to remove any bubbles on the probe surface. For details about the probe immersion duration, see the operator’s manual provided by the manufacturer.

Observe the graph here carefully to immerse the probe. Only soak parts of the probe below the strain relief.



- Wiping: Use a market disinfection wipe product or sterile disposable lint-free soft cloth wetted with disinfection spray and wipe all surfaces of the probe for a duration according to the manufacturer instructions.
3. Rinse the probe thoroughly by using a large amount of clean water (about 7.5 L/2 gallons) at room temperature for about 1 minute to remove the residual disinfectant. Or follow the disinfectant manufacturer’s instructions regarding rinsing. Dry the probe with a piece of disposable lint-free soft cloth or tissue.

Do not dry the probe by heating.
  4. Check whether the probe has defects such as peeling, rifts, bumps, cracks, or liquid spill. If such defects exist, the probe has reached the end of its service life. In this case, stop using it and contact the Mindray service department.
  5. Store the probe in a cool, clean and dry environment.

### Disinfection with Device

Perform the following procedure:

1. Follow the operator’s manual provided by the manufacturer to disinfect the probe using a device.

2. After disinfection, check whether the probe has defects such as peeling, rifts, bumps, cracks, or liquid spill. If such defects exist, the probe has reached the end of its service life. In this case, stop using it and contact the Mindray service department.
3. Store the probe in a cool, clean and dry environment.

## Processing Critical Probes

Processing of critical probes requires a two-step process: Cleaning of the probe followed by sterilization.

For detailed information on the laparoscopic cleaning and disinfection, see the accompanying laparoscopic manual.

### Before Processing

This step is to remove the ultrasound gel or other visible dirt.

1. Wear a pair of gloves to prevent infection through the whole processing.
2. Disconnect the probe from the system. If the sheath is used, take off the sheath and discard it. Wipe off the ultrasound gel or other visible dirt on the surface of the probe by using a damp piece of disposable lint-free soft cloth or tissue.

### Cleaning

Select wipes or detergent to clean the probe. For details about recommended cleaners or disinfectants for probes, see the “Cleaner and Disinfectant” table.

#### Cleaning with Wipes

Perform the following procedure:

1. Use an approved cleaning or disinfectant wipe, cleaning sponge, or a soft cloth soaked in approved cleaner or disinfectant to clean all surfaces of the probe thoroughly.
2. Dry the probe with a piece of disposable lint-free soft cloth or tissue.

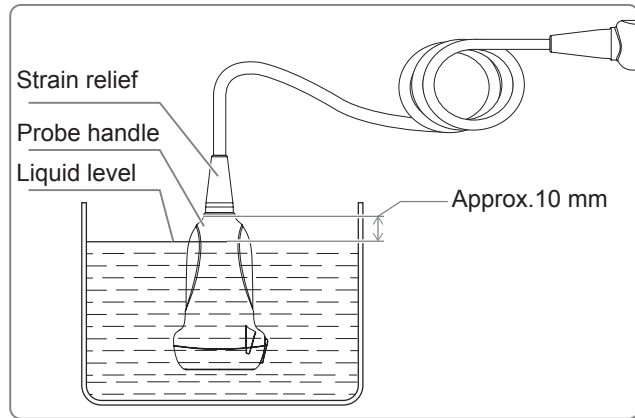
Do not dry the probe by heating.
3. Inspect the probe. If visible dirt still exists, repeat the preceding steps to wash the probe until it is all clean.

#### Cleaning with Detergent

Perform the following procedure:

1. Choose an appropriate cleaning agent including mild detergents, and enzymatic.
2. Immerse the probe fully in the cleaning fluid for at least 1 minute or according to manufacturer’s instructions. Lightly clean the probe with a piece of lint-free soft cloth or soft sponge until no dirt is visible. When necessary, clean the seams or biopsy guide features by using disposable cotton swabs. Avoid using a brush to wash the lens because it may damage the probe.

Observe the graph here carefully to immerse the probe. Only soak parts of the probe below the strain relief.



3. Rinse the probe thoroughly by using a large amount of clean water (about 7.5 L/2 gallons) at room temperature for about 1 minute to remove the residual dirt and cleaning solvent.
4. Dry the probe with a piece of disposable lint-free soft cloth or tissue.  
Do not dry the probe by heating.
5. Inspect the probe. If visible dirt still exists, repeat the preceding steps to wash the probe until it is all clean.

## Sterilization

For intra-operative probes, they have to be thoroughly cleaned and sterilized after completing each examination.

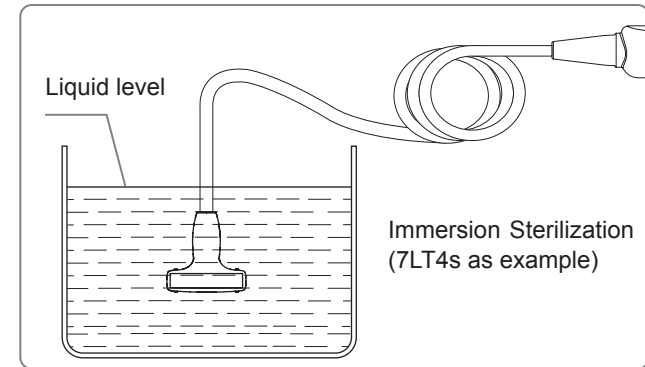
You can sterilize the probe by using an appropriate sterilant or device. For details about recommended sterilants or devices for probes, see the “Cleaner and Disinfectant” table.

### Sterilization with Sterilant

Perform the following procedure:

1. Follow the operator’s manual provided by the manufacturer to sterilize the probe using a sterilant.
2. Prepare a sterilant by using sterile distilled or softened water when necessary.
3. Immerse the probe head in the sterilant and shake the probe appropriately to remove any bubbles on the probe surface.

For details about the probe immersion duration, see the operator’s manual provided by the manufacturer.



4. Rinse the probe thoroughly by using a large amount of sterile distilled or softened water (about 7.5 L/2 gallons) at room temperature for about 1 minute to remove the residual disinfectant. Or follow the sterilant manufacturer’s instructions regarding rinsing. Dry the probe with a piece of sterile disposable lint-free soft cloth.  
Do not dry the probe by heating.
5. Check whether the probe has defects such as peeling, rifts, bumps, cracks, or liquid spill. If such defects exist, the probe has reached the end of its service life. In this case, stop using it and contact the Mindray service department.
6. Store the probe in a cool, clean and dry environment.

### Sterilization with Device

Perform the following procedure:

1. Follow the operator’s manual provided by the manufacturer to sterilize the probe using a device.
2. After sterilization, check whether the probe has defects such as peeling, rifts, bumps, cracks, or liquid spill. If such defects exist, the probe has reached the end of its service life. In this case, stop using it and contact the Mindray service department.
3. Store the probe in a cool, clean and dry environment.

**For the latest Ultrasound cleaning, disinfection, and sterilization guide, please visit <https://www.mindray.com/en/resources-center/mis-guide-manual>.**