

RED AREAS ON CHART INDICATE INADEQUATE KILL

Not tested

DISINFECTANT NAME	COMPANY	COUNTRY	MAJOR ACTIVE INGREDIENT(S)	TEST TIMES	POLIO VIRUS I (Mahoney)		TUBERCULOSIS ORGANISM (<i>M. bovis</i>)		SURFACE TEST	
					WITHOUT BLOOD	WITH BLOOD	WITHOUT BLOOD	WITH BLOOD	WITHOUT BLOOD	WITH BLOOD
CHLORINE & BROMINE-BASED										
1. MICROSTAT 2	Septodont	USA	700-800 ppm Chloride & Bromide	1 min.	>4.0	3.1	4.5	0.0		
				3 min.	>4.1	3.3	5.2	0.0		
				10 min.	>4.1	3.3	5.2	0.0		
IODOPHORE-BASED										
1. IODOFIVE (1:213)	Certol International	USA	75 ppm Iodine	1 min.	0.3	0.0	1.8	0.0		
				3 min.	0.4	0.0	5.3	0.0	1.5	0.0
				10 min.	1.9	0.1	4.8	0.0		
2. WESCODYNE (1:213)	Steris Corporation	USA	75 ppm Iodine	1 min.	0.3	0.0	1.8	0.0		
				3 min.	0.4	0.0	5.3	0.0	1.5	0.0
				10 min.	1.9	0.1	4.8	0.0		
MISCELLANEOUS ACTIVE INGREDIENTS										
1. ECOTRU PROFESSIONAL	EnviroSystems, Inc.	USA	0.20% Parachlorometaxyleneol (w/v)	1 min.	0.1	0.0	0.3	0.9		
				3 min.	0.1	0.0	2.0	2.5	4.4	2.4
				10 min.	0.1	0.0	5.1	4.8		
2. LYSOL BRAND I.C. READY TO USE DISINFECTANT CLEANER	Reckitt Benckiser Professional	USA	2.50% Citric Acid	1 min.	>4.5	0.1	0.1	0.0		
				3 min.	4.9	0.0	0.1	0.1	1.5	1.2
				10 min.	>4.6	0.8	0.2	0.1		
3. Opt/M 33 TB	SciCan	Canada	0.5% Accelerated™ Hydrogen Peroxide (w/w)	1 min.	3.7	0.0	1.6	5.3		
				3 min.	>4.2	0.0	5.8	>6.0	>5.3	6.6
				10 min.	>3.6	0.0	>5.2	>6.0		
4. VIRKON (1% SOLUTION)	Antec International Ltd.	England	5% Potassium peroxomonosulphate 1.5% Sodium alkyl benzene sulphonate 0.5% Sulphamic acid	1 min.	4.5	0.0	0.8	0.4		
				3 min.	>4.9	0.5	0.8	0.4	1.6	0.3
				10 min.	>5.0	2.3	0.9	0.3		
PHENOLIC-BASED										
1. BIREX _{SE} (1:256)	Biotrol International	USA	0.03% o-phenylphenol 0.03% p-tertiary amyphenol	1 min.	4.1	0.3	0.2	0.0		
				3 min.	>4.7	0.3	3.0	0.0	2.9	0.3
				10 min.	>4.7	0.3	>5.1	0.0	1.1	0.2
2. LYSOL I.C. PHENOLIC HOSPITAL DISF/CLEANER (1:128)	Reckitt Benckiser Professional	USA	0.02% o-phenylphenol 0.06% o-benzyl-p-chlorophenol	1 min.	0.0	0.7	0.8	0.2		
				3 min.	0.0	0.6	4.5	2.2	3.3	1.1
				10 min.	0.0	0.7	>6.2	5.1	0.7	0.6
3. PROFESSIONAL AMPHYL DISINFECTANT CLEANER (1:200)	Reckitt Benckiser Professional	USA	0.05% o-phenylphenol 0.03% o-benzyl-p-chlorophenol	1 min.	0.0	0.9	2.9	0.1		
				3 min.	0.0	0.7	>5.1	1.0	2.7	0.7
				10 min.	0.0	0.7	>5.1	4.9	1.3	0.3
4. PROFESSIONAL AMPHYL HOSPITAL BULK DISF/CLEANER (3:100)	Reckitt Benckiser	USA	0.08% o-phenylphenol 0.08% o-benzyl-p-chlorophenol 0.65% Other misc. active ingredients	1 min.	0.0	0.2	1.4	0.0		
				3 min.	0.0	0.3	5.4	0.2	4.1	1.1
				10 min.	0.0	0.3	>5.1	0.9	4.6	0.9
5. PROSPRAY C-60 Not diluted	Certol International	USA	0.28% o-phenylphenol 0.03% o-benzyl-p-chlorophenol	1 min.	0.0	0.3	0.9	0.0		
				3 min.	0.0	0.4	5.4	0.4	3.6	0.9
				10 min.	0.0	0.6	>6.2	3.0	2.8	0.7
6. SPORICIDIN Not diluted	The Sporicidin Company	USA	1.56% Phenol 0.06% Sodium phenate	1 min.	0.0	0.2	2.5	2.2		
				3 min.	0.0	0.1	>5.2	4.2	>5.6	4.4
				10 min.	0.1	0.2	>5.2	5.8	5.7	5.0
QUATERNARY AMMONIUM-BASED										
1. BBJ SPRAY DISINFECTANT/CLEANER	BBJ Environmental Solutions, Inc.	USA	0.21% Quaternary ammonium chloride	1 min.	>4.1	0.0	0.0	0.1		
				3 min.	>4.2	0.0	0.1	0.2	2.4	2.7
				10 min.	>4.0	0.0	0.2	0.5		
2. CAVICIDE	Metrex Research	USA	0.28% Quaternary ammonium chloride 17.2% Isopropyl alcohol (w/w)	1 min.	3.5	0.0	1.0	1.9		
				3 min.	>3.8	0.1	1.9	2.4	1.7	2.4
				10 min.	>3.9	0.1	4.3	4.4		
3. LYSOL I.C. FOAMING DISF/CLEANER Not diluted	Reckitt Benckiser	USA	0.1% Quaternary ammonium chloride	1 min.	>4.8	0.3	0.1	0.0		
				3 min.	>4.7	0.5	0.2	0.1	2.3	2.4
				10 min.	>4.7	1.0	0.6	0.7		
4. MADACIDE-FD	Mada Medical Products	USA	0.308% Quaternary ammonium chloride 21.0% Isopropyl alcohol (v/v)	1 min.	0.0	0.0	1.6	1.9		
				3 min.	0.1	0.0	2.9	3.2	4.0	4.6
				10 min.	0.1	0.0	5.2	4.6		
5. STERASEPTIC 256 (1:256)	Asepsis International	USA	0.06% Quaternary ammonium chloride	1 min.	0.0	0.0	0.0	0.0		
				3 min.	0.9	0.0	0.0	0.0	0.9	0.3
				10 min.	0.0	0.0	0.0	0.0		
6. SUV (1:64)	OSHA Review	USA	0.07% Quaternary ammonium chloride	1 min.	5.0	0.0	0.0	0.0		
				3 min.	5.0	0.1	0.1	0.0	0.5	0.1
				10 min.	5.0	0.1	0.1	0.2		
WIPES										
1. DISCIDE ULTRA Pre-wetted	Palmero Healthcare	USA	0.24% Quaternary ammonium chloride 63.25% Isopropyl alcohol (w/w)	1 min.	0.0	0.0	3.3	4.0		
				3 min.	0.0	0.1	5.2	5.1	4.1	1.2
				10 min.	0.0	0.1	>4.4	5.1		
2. SPORICIDIN TOWELETTE Pre-wetted	The Sporicidin Company	USA	1.56% Phenol 0.06% Sodium phenate	1 min.	0.0	0.1	0.4	0.2		
				3 min.	0.0	0.0	1.4	1.0	4.1	1.1
				10 min.	0.7	0.0	4.9	3.9		
3. SUPER SANI-CLOTH Pre-wetted	Nice-Pak PDI	USA	0.5% Quaternary ammonium chloride 55% Isopropyl alcohol (w/w)	1 min.	0.0	0.3	3.4	3.3		
				3 min.	0.1	0.1	5.3	4.4	4.9	3.2
				10 min.	0.0	0.1	5.1	4.4		
4. VIRAGUARD TOWELETES Pre-wetted	Veridien	USA	70% Isopropyl alcohol (w/w)	1 min.	0.0	0.1	4.7	4.5		
				3 min.	0.0	0.0	4.7	4.7	1.6	0.1
				10 min.	0.1	0.0	4.9	4.7		

CRA CONCLUSIONS: Of 52 disinfectants tested & listed above, only 4 passed all tests used by CRA, & were either ethyl alcohol or chlorine-based. Inability to inactivate a resistant virus was the most prevalent lack. These data can be helpful when selecting an environmental surface disinfectant for clinical use.