



MICROBIOLOGICAL TESTS

Standard	Peracide Concentration (ppm)	Organism	Log Reduction	Contact Time	Conditions	Testing Body
ASTM E2197	3567	<i>Clostridium difficile</i> ATCC 43598	4.56	2 minutes	Dirty	UCLH
ASTM E2197	3567	<i>Clostridium difficile</i> ATCC 43598	4.26	5 minutes	Dirty	UCLH
ASTM E2197	5166	<i>Clostridium difficile</i> ATCC 43598	6.20	2 minutes	Dirty	UCLH
ASTM E2197	5166	<i>Clostridium difficile</i> ATCC 43598	6.55	5 minutes	Dirty	UCLH
EN 1276:2009	800	<i>Acinetobacter baumannii</i>	7.48	1 minute	Clean	UCLH
EN 1276:2009	800	<i>Clostridium difficile</i> (spores)	3.75	1 minute	Clean	UCLH
EN 1276:2009	800	<i>Clostridium difficile</i> (spores)	4.16	5 minutes	Clean	UCLH
EN 1276:2009	800	<i>Clostridium difficile</i> (spores)	7.33	15 minutes	Clean	UCLH
EN 1276:2009	800	<i>Enterococcus hirae</i> (NCIMB 8192)	5.28	5 minutes	Dirty	Abbott
EN 1276:2009	500	<i>Enterococcus hirae</i> (NCTC 13383)	5.04	30 seconds	Dirty	Abbott
EN 1276:2009	500	<i>Escherichia coli</i> (NCTC 10418)	5.09	30 seconds	Dirty	Abbott
EN 1276:2009	800	<i>Escherichia coli</i> (NCTC 10418)	5.32	5 minutes	Dirty	Abbott
EN 1276:2009	500	<i>Escherichia coli</i> O157:H7 (NCTC 12900)	5.29	30 seconds	Dirty	Abbott
EN 1276:2009	800	<i>Klebsiella pneumoniae</i>	7.59	1 minute	Clean	UCLH
EN 1276:2009	500	<i>Listeria monocytogenes</i> (NCTC 11994)	5.34	30 seconds	Dirty	Abbott
EN 1276:2009	800	Methicillin-resistant <i>Staphylococcus aureus</i>	7.34	1 minute	Clean	UCLH
EN 1276:2009	800	<i>Pseudomonas aeruginosa</i>	7.65	1 minute	Clean	UCLH
EN 1276:2009	800	<i>Pseudomonas aeruginosa</i> (NCIMB 10421)	5.23	5 minutes	Dirty	Abbott
EN 1276:2009	500	<i>Pseudomonas aeruginosa</i> (NCTC 13359)	5.36	30 seconds	Dirty	Abbott
EN 1276:2009	1000	<i>Pseudomonas aeruginosa</i> ATCC 15442	4.18	30 seconds	Dirty	SS
EN 1276:2009	1000	<i>Pseudomonas aeruginosa</i> ATCC 15442	6.47	1 minute	Dirty	SS
EN 1276:2009	500	<i>Salmonella typhimurium</i> (NCTC 74)	5.24	30 seconds	Dirty	Abbott
EN 1276:2009	500	<i>Staphylococcus aureus</i> (NCTC 10788)	5.10	30 seconds	Dirty	Abbott
EN 1276:2009	800	<i>Staphylococcus aureus</i> (NCTC 10788)	5.25	5 minutes	Dirty	Abbott
EN 13623:2010	800	<i>Legionella pneumophila</i> (NCTC 12821)	4.19	60 minutes	Dirty	Abbott
EN 13624:2013	800	<i>Aspergillus brasiliensis</i> DSM 1988	4.14	30 minutes	Dirty	IRM
EN 13624:2013	800	<i>Candida albicans</i> DSM 1386	4.46	5 minutes	Dirty	IRM
EN 13624:2013	3200	<i>Aspergillus brasiliensis</i> DSM 1988	4.42	15 minutes	Dirty	IRM
EN 13624:2013	3200	<i>Aspergillus brasiliensis</i> DSM 1988	4.22	15 minutes	Dirty	IRM
EN 13697:2015	1000	<i>Aspergillus brasiliensis</i> DSM 1988	5.77	15 minutes	Dirty	IRM

Cont. Overleaf

Standard	Peracide Concentration (ppm)	Organism	Log Reduction	Contact Time	Conditions	Testing Body
EN 13697:2015	1000	<i>Candida albicans</i> DSM 1386	5.68	5 minutes	Dirty	IRM
EN 13697:2015	1000	<i>Candida albicans</i> DSM 1386	5.70	15 minutes	Dirty	IRM
EN 13697:2015	1000	<i>Enterococcus hirae</i> DSM 3320	6.68	5 minutes	Dirty	IRM
EN 13697:2015	1000	<i>Escherichia coli</i> DSM 682	6.28	5 minutes	Dirty	IRM
EN 13697:2015	1000	<i>Pseudomonas aeruginosa</i> DSM 939	6.20	5 minutes	Dirty	IRM
EN 13697:2015	1000	<i>Staphylococcus aureus</i> DSM 799	6.91	5 minutes	Dirty	IRM
EN 13697:2015	2000	<i>Aspergillus brasiliensis</i> DSM 1988	5.75	30 minutes	Dirty	IRM
EN 13704:2002	500	<i>Bacillus subtilis</i> (NCTC 10400)	3.00	30 seconds	Dirty	Abbott
EN 13704:2018	1600	<i>Bacillus subtilis</i> subsp. <i>spizizenii</i> DSM 347	3.40	15 minutes	Dirty	IRM
EN 13727:2012+A2:2015	800	<i>Enterococcus hirae</i> DSM 3320	5.25	5 minutes	Dirty	IRM
EN 13727:2012+A2:2015	800	<i>Pseudomonas aeruginosa</i> DSM 939	5.35	5 minutes	Dirty	IRM
EN 13727:2012+A2:2015	800	<i>Staphylococcus aureus</i> DSM 799	5.23	5 minutes	Dirty	IRM
EN 14204:2012	1000	<i>Mycobacterium avium</i> (CIP 105415)	6.13	60 minutes	Dirty	Abbott
EN 14204:2012	1000	<i>Mycobacterium terrae</i> (NCTC 10856)	6.19	60 minutes	Dirty	Abbott
EN 14476:2013+A1:2015	800	Adenovirus type 5 ATCC VR-5	5.38	5 minutes	Dirty	IRM
EN 14476:2013+A1:2015	500	Canine Parvovirus VR-953/CRFK Cells	3.83	5 minutes	Clean	BluTest
EN 14476:2013+A1:2015	500	Canine Parvovirus VR-953/CRFK Cells	6.83	15 minutes	Clean	BluTest
EN 14476:2013+A1:2015	2000	Canine Parvovirus VR-953/CRFK Cells	5.33	5 minutes	Clean	BluTest
EN 14476:2013+A1:2015	2000	Canine Parvovirus VR-953/CRFK Cells	6.83	15 minutes	Clean	BluTest
EN 14476:2013+A1:2015	800	Murine Norovirus strain S99 Friedrich Loeffler Institut	5.25	5 minutes	Dirty	IRM
EN 14476:2013+A1:2015	1600	Poliovirus 1 strain Sabin	4.65	15 minutes	Dirty	IRM
EN 14562:2006	1000	<i>Candida albicans</i> DSM 1386	4.46	5 minutes	Dirty	IRM
EN 14562:2006	1000	<i>Candida albicans</i> DSM 1386	4.64	15 minutes	Dirty	IRM
EN 14562:2006	4000	<i>Aspergillus brasiliensis</i> DSM 1988	4.08	15 minutes	Dirty	IRM
EN 14675:2006	2000	Feline calicivirus /CRFK cells	4.00	5 minutes	Clean	BluTest
EN 14675:2006	4000	Feline calicivirus /CRFK cells	4.67	5 minutes	Clean	BluTest
EN 1650:2008+A1:2013	500	<i>Candida albicans</i> (NCPF 3179)	4.34	5 minutes	Dirty	Abbott

- i. Clean conditions conducted in 0.3% bovine serum albumin.
- ii. Dirty conditions conducted in 3.0g/l bovine albumin **or** 3.0g/l bovine albumin, 3.0 ml/l sheep erythrocytes **or** 5.0% yeast extract, 0.4% Mucin [porcine origin], 5.0% bovine serum albumin.

Sky Chemicals (UK) has developed the proprietary, stabilised peracetic acid on which Peracide is based. The combination of precursors, when added to water, create peracetic acid when it is needed reducing the risk in transporting and handling Peracide. The powerful biocide combination will oxidise and denature both the cell membranes and nucleic acids RNA and DNA, present in all known microorganisms. The oxidative pathway of disinfection achieves biocidal efficacy through disrupting equilibria, reacting with molecular structures and quickly causing irreversible damage to the microorganism. Biological mechanisms to generate resistance are not applicable.

Use biocides safely. Always read the label, product information and available resources before use.