

BIOCIDAL EFFICACY

BIOCIDE	OZONE (O ₂)	PEROXIDE (H ₂ O ₂)	SODIUM HYPOCHLORITE (NaOCl)	Selectroocide® high purity chlorine dioxide at the point of use
OXIDATION POTENTIAL (VOLTS)	2.07	1.78	1.49	0.95
OXIDATION CAPACITY (ELECTRONS)	2e-	2e-	2e-	5e-

Oxidation capacity illustrates strength to attract electrons; higher oxidation capacity signifies greater ability to eliminate more pathogens using less disinfection concentration.

DISINFECTION CONCENTRATION

Tested in a 5-log reduction after 60 seconds
Test Organism: Staphylococcus aureus

Concentration (ppm)

CHLORINE COMPOUND 1 (sodium hypochlorite)	1000
CHLORINE COMPOUND 2 (stabilized chlorine dioxide)	1200
IODOPHUR	440
PEROXIDE	68000
GLUTARALDEHYDE-PHENOL	1200
ACID GLUTARALDEHYDE	2200
ACIDIFIED QUAT	1200
PHENOLIC	380
PERACETIC ACID	400
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