

Acid-fast bacteria	Disinfection time	
	Electrolyzed acidic water	0.1% NaOCl
<i>Mycobacterium tuberculosis</i>	<2.5min	<30min
<i>M. kansasii</i>	<1 min	-
<i>M. simiae</i>	<2.5min	-
<i>M. scrofulaceum</i>	<1min	>30min
<i>M. avium</i>	<1min	>30min
<i>M. intracellulare</i>	<1min	-
<i>M. xenopi</i>	<1min	>30min
<i>M. nonchromogenicum</i>	<2.5min	<30min
<i>M. fortuitum</i>	<2.5min	<2.5min
<i>M. chelonae subsp. Chelonae</i>	<2.5min	-
<i>M. chelonae subsp. Abscessus</i>	<1min	-

Reference: A. Iwasawa et al., Journal of Clinical Microbiology. 20 (4). 469-473. 1993 (in Japanese)

Fungi (molds, yeasts)	Disinfection time	
	Electrolyzed acidic water	0.1% NaOCl
<i>Candida albicans</i>	<15sec	<15sec
<i>C. glabrata</i>	<5sec	-
<i>C. guilliermondii</i>	<30sec	-
<i>C. kefyr</i>	<15sec	-
<i>C. krusei</i>	<5sec	-
<i>C. parapsilosis</i>	<15sec	-
<i>C. tropicalis</i>	<15sec	-
<i>Cryptococcus neoformans</i>	<60sec	<5sec
<i>Trichophyton</i>	<15sec	<5sec
<i>Aspergillus terreus</i>	<15sec	<5sec
<i>Trichophyton rubrum</i>	<60sec	-
<i>T. mentagrophytes</i>	<30sec	-
<i>Microsporium canis</i>	<5sec	-
<i>Epidermophyton floccosum</i>	<5sec	-

Reference: A. Iwasawa et al., Journal of the Society for Antibacterial and Antifungal Agents, Japan. 27 (7). 449-462. 1999 (in Japanese)

Fungi (molds, yeasts)	Disinfection time (electrolyzed acidic water)
<i>Penicillium islandicum</i>	<60sec
<i>Saccharomyces cerevisiae</i>	<30sec

Shimane Institute for Industrial Technology (1996)

Fungi (molds, yeasts)	Disinfection time (electrolyzed acidic water)
<i>Aspergillus fumigatus</i>	<2min
<i>A. niger</i>	<60sec
<i>Fusarium solani</i>	<15sec
<i>Cladosporium cladosporioides</i>	<15sec
<i>Aureobasidium pullubans</i>	<15sec
<i>Fusarium oxysporum</i>	<15sec
<i>F.moniloforme</i>	<15sec
<i>Aspergillus restrictus</i>	<5min
<i>A.ochraceus</i>	<2min
<i>A.clavatus</i>	<15min
<i>A.flavus</i>	<15min

<i>A. parasiticus</i>	<10min
<i>Penicillium citrinum</i>	<5min
<i>P. expansum</i>	<5min
<i>Rhizopus stolonifer</i>	<30sec
<i>Arthrinium sp.</i>	<30min
<i>Mucor sp.</i>	<1min
<i>Eurotium chevalieri</i>	<15sec
<i>Emericella nidulans</i>	<15min
<i>Byssoscllamys nivea</i>	<30sec
<i>Neosartorya fischeri</i>	<1min
<i>Chaetomium globosum</i>	>120min
<i>Rhodotorula rubra</i>	<30sec
<i>Trichosporon cutaneum</i>	<15sec
<i>Alternaria alternata</i>	<1min
<i>Paecilomyces variotii</i>	<15sec
<i>Wallemia sebi</i>	<15sec
<i>Aureobasidium pullubans</i>	<30sec
<i>Cladosporium cladosporioides</i>	<15sec

Fungi (molds, yeasts)	Disinfection time (electrolyzed acidic water)
<i>Trichoderma sp.</i>	<1min
<i>Phoma sp.</i>	<15sec
<i>Curvularia lunata</i>	<1min

Reference: Huang Jicheng et al., Fungicidal Effects of Electrolyzed Oxidizing Water. Journal of the Society for Antibacterial and Antifungal Agents, Japan. 25(7). 387-391 (in Japanese with English abstract)

Viruses	Inactivation time		
	Electrolyzed acidic water	0.1% NaOCl	
HSV (Herpes)	HF	<5sec	<5sec
Inf (Influenza)	UW	<5sec	<5sec
	A/PR/8	<5sec	<5sec
	A/Tokyo	<5sec	<5sec
	A/FM	<5sec	-
	A/USSR	<5sec	-
Cox. (Coxsackie)	A7	<5sec	<5sec
	A9	<5sec	<5sec
A16		<5sec	<5sec
B1		<5sec	<5sec
B2		<5sec	<5sec
B3		<5sec	<5sec
B4		<5sec	<5sec
B5		<5sec	<5sec
Echo	7	<5sec	<5sec
	11	<5sec	<5sec
Entero 71		<5sec	<5sec
HIV-1 (Human immunodeficiency)		<10min	-

Reference: A. Iwasawa et al., Journal of the Society for Antibacterial and Antifungal Agents, Japan. 27 (7). 449-462. 1999