

UV Irradiation Time

The following data is the required UV irradiation time for a surface reduction of 99.99% for the listed bacteria and viruses. Environmental factors including placement of object, humidity, and material all may impact stated times. For the results below, place objects directly under UV bulbs to maximize UV radiation intensity.

Bacteria	Minutes
Bacillus (vegetative)	1
Bac. anthracis	1
Bac. Megatherium	1
Bac. paratyphosus	1
Bac. subtilis	1
Bacillus (spore)	2
Bac. Megatherium	1
Bac. subtilis	3
Bac. anthracis	1
Bac. subtilis (ATCC6633)	7
Bacillus subtilis	1
Bac. subt. spore ATCC6633	3
Campylobacter jejuni	1
Clostridium tetani	3
Coryneb. diphtheria	1
Citrob. freundii (ATCC8090)	1
Enterob. cloaca (ATCC13047)	2
Escherichia coli:	1
Escherichia coli	1
Escherichia coli (in air)	1
Escherichia coli (in water)	1
Escherichia coli ATCC 11229	1
Escherichia coli ATCC 25922	1
Escherichia coli K 12 AB 1157	1
Escherichia coli ATCC 12407	1
Klebsi. pneumon. ATCC4352	1
Legionella	1
Legionella dumoffii	1
Legionella gormanii	1

Bacteria Continued	Minutes
Legionella micdadei	1
Legionella longbeachae 1	1
Legionella longbeachae 2	1
Legionella oakridgensis	1
Legionella micdadei	1
Legionella jordanis	1
Legionella wadsworthii	1
Legionella pneumophila	1
Legionella bozemanii	1
Leptospira	1
Leptospira biflexa	1
Leptospira illini	1
Leptospira interrogans	1
Micrococcus	2
Micrococcus candidus	2
Microc. sphaeroides	2
Neisseria catarrhalis	1
Pseudomonas aerug.	1
Pseudomonas aeruginosa	1
Salmonella	1
Salm. typhimurium	2
Salm. enteritidis	1
Salmonella typhi	1
Serratia marcescens	1
Shigella paradysenteriae	1
Staph	1
Staph. albus	1
Staph. aureus	1
Staph. epidermis	2

Bacteria Continued	Minutes
Legionella micdadei	1
Legionella longbeachae 1	1
Legionella oakridgensis	1
Legionella micdadei	1
Legionella jordanis	1
Legionella wadsworthii	1
Legionella pneumophila	1
Legionella bozemanii	1
Leptospira	1
Leptospira biflexa	1
Leptospira illini	1
Leptospira interrogans	1
Micrococcus	2
Micrococcus candidus	2
Microc. sphaeroides	2
Neisseria catarrhalis	1
Pseudomonas aerug.	1
Pseudomonas aeruginosa	1
Salmonella	1
Salm. typhimurium	2
Salm. enteritidis	1
Salmonella typhi	1
Serratia marcescens	1
Shigella paradysenteriae	1
Staph	1
Staph. albus	1
Staph. aureus	1
Staph. epidermis	2
Strep.	1
Strep. hemolyticus	1
Strep. lactis	2
Strep. viridans	1
Strep. faecalis	1
Strep. pyogenes	1
Strep. albus	1
Vibrio	1

DNA-Virus	Minutes
Parvovirus	1
Bov. parvovirus	1
Kilham rat virus	1
HCC (Dog hepat. Adenov)	5
Herpes virus	1
Pseudorabies virus	2
Herpes simplex MP str.	2
Herpes simplex MP str.	1
Herpes simplex, type 1	3
Vaccinia	1
RNA-Virus	Minutes
Picornavirus	2
Poliovirus	2
Poliov type 1 Mahoney	2
Poliov	3
Poliov type 1	1
Poliov Mahoney	1
ECBO	2
Coxsackiev	4
Reovirus	2
Reovirus type 1	1
Reov type 1 (Lang str)	3
Rotav	3
Rotav SA11	2
Paramyxovirus	1
SARS-CoV-2	1
Sindbis virus	1
Newcastle Disease	1
Orthomyxovirus	1
Influenza	1
HIV (Lentiv)	26
HIV (HTLVIII)	11
HIV (Sup T1)	26
HIV (H9)	45
HIV (PHA-stim. PBL)	23

The Mystaire UV light box is only designed to provide UV-C surface disinfection. This product does not sterilize. Contact Mystaire for more details.