

Germicidal UVC Chamber Unit

The STERILASER™ Chamber can be used for anything requiring quick reliable disaffection. With 2 powerful germicidal lights exposed surfaces will receive up to 3,500 $\mu\text{W}/\text{cm}^2$ of germicidal ultraviolet UVC light, killing harmful BACTERIA, FUNGI and VIRUSE (such as COVID-19) in as little as 2 seconds.



FASTEST/MOST EFFECTIVE WAY TO COMBAT PATHOGENS!

How Does UV Work?

Germicidal Ultraviolet light is absorbed by the DNA of microorganisms, causing changes in their structure, rendering the microorganisms incapable of replicating. A cell that can't reproduce is considered dead; since it is unable to multiply to infectious numbers within a host.



FEATURES

- Door turns off automatically if door is opened during operation, protecting user.
- Runs customer programmed cycle when activated, assuring proper treatment.
 - Soft rubber feet protect mounting surface.
- Proudly designed, machined and assembled in the USA.

STERILASER™

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TREATMENT TIMES

Different Pathogens require different exposure levels of UVC for them to be deactivated. the STERILASER™ delivers 3,500 mJ/cm² per second. For reference, here is a partial list of the energy needed for the most common bacteria, viruses and mold. If there is anything not listed below that you would like information for, please contact customer support at 800-726-4099.

Bacteria	mJ/cm² to Deactivate	Seconds Required
Agrobacterium lumefaciens	8,500	2.43
Bacillus anthracis (anthrax veg.)	8,700	2.49
Bacillus anthracis Spores (anthrax spores)	46,200	13.20
Bacillus megatherium Sp. (spores)	5,200	1.49
Bacillus megatherium Sp. (veg)	2,500	0.71
Bacillus paratyphosus	6,100	1.74
Bacillus subtilis	11,000	3.14
Bacillus subtilis Spores	22,000	6.29
Clostridium botulinum	11,200	3.20
Clostridium tetani	23,100	6.60
Corynebacterium diphtheriae	6,500	1.86
Dysentery bacilli	4,200	1.20
Eberthella typhosa	4,100	1.17
Escherichia coli	6,600	1.89
Legionella bozemanii	3,500	1.00
Legionella dumoffi II	5,500	1.57
Legionella gormanii	4,900	1.40
Legionella longbeachae	2,900	0.83
Legionella micdadei	3,100	0.89
Legionella pneumophila (Legionnaire's Disease)	12,300	3.51
Leptospira canicola-Infectious Jaundice	6,000	1.71
Leptospira interrogans	6,000	1.71
Micrococcus candidus	12,300	3.51
Micrococcus sphaeroides	15,400	4.40
Mycobacterium tuberculosis	10,000	2.86
Neisseria catarrhalis	8,500	2.43
Phytomonas tumefaciens	8,500	2.43
Proteus vulgaris	6,600	1.89
Pseudomonas aeruginosa (Environ.Strain)	10,500	3.00
Pseudomonas aeruginosa (Lab. Strain)	3,900	1.11
Pseudomonas fluorescens	6,600	1.89
Streptococcus faecalis	10,000	2.86
Streptococcus hemolyticus	5,500	1.57
Streptococcus lactis	8,800	2.51
Streptococcus pyrogenes	4,200	1.20
Streptococcus salivarius	4,200	1.20
Streptococcus viridans	3,800	1.09
Vibrio cholerae	6,500	1.86
Vibrio comma (Cholera)	6,500	1.86

Virus	mJ/cm² to Deactivate	Seconds Required
Adeno Virus Type III	4,500	1.29
Bacteriophage	6,600	1.89
COVID-19	6,160	1.76
Coxsackie	6,300	1.80
Infectious Hepatitis	8,000	2.29
Influenza	6,600	1.89
Rhodospirillum rubrum	6,200	1.77
Rotavirus	24,000	6.86
Salmonella	10,500	3.00
Salmonella enteritidis	7,600	2.17
Salmonella paratyphi (Enteric Fever)	6,100	1.74
Salmonella Species	15,200	4.34
Salmonella typhi (Typhoid Fever)	7,000	2.00
Salmonella typhimurium	15,200	4.34
Sarcina lutea	26,400	7.54
Serratia marcescens	6,160	1.76
Shigella dysenteriae - Dysentery	4,200	1.20
Shigella flexneri - Dysentery	3,400	0.97
Shigella paradysenteriae	3,400	0.97
Shigella sonnei	7,000	2.00
Spirillum rubrum	6,160	1.76
Staphylococcus albus	5,720	1.63
Staphylococcus aureus (MRSA)	6,600	1.89
Staphylococcus epidermidis	5,800	1.66

Molds	mJ/cm² to Deactivate	Seconds Required
Aspergillus amstelodami	77,000	22.00
Aspergillus flavus	99,000	28.29
Aspergillus glaucus	88,000	25.14
Aspergillus niger (bread mold)	330,000	94.29
Mucor mucedo	77,000	22.00
Mucor racemosus (A & B)	35,200	10.06
Oospora lactis	11,000	3.14
Penicillium chrysogenum	56,000	16.00
Penicillium digitatum	88,000	25.14
Penicillium expansum	22,000	6.29
Penicillium roqueforti	26,400	7.54
Rhizopus nigricans (cheese mold)	220,000	62.86