

# Germicidal UVC Handheld Unit

THE STERILASER ROOM UNIT KILLS 99.5% OF ALL HARMFUL BACTERIA, FUNGI AND VIRUSES (INCLUDING COVID-19) IN MINUTES. UNIT PERFECT FOR GYMS, YOGA STUDIOS, LOCKER ROOMS, CLASS ROOMS, HEALTH CARE FACILITIES, LABORATORIES AND MORE.



**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.



**STERILASER™**

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## TREATMENT CHART

Different Pathogens require different levels of UVC exposure to be deactivated. UVC power decreases exponentially the further the UVC source is from the treatment surface. Therefore, the distance the Sterilaser unit is away from the treatment surface and the specific intended pathogen dictate how long the surface must be exposed to the light. This chart shows; the UVC power required to neutralize given pathogens, distance to target and the required exposure time.

Distance from Sterilaser Unit to target		3"	6"	12"	18"
STERILASER™ Output (mj/cm2)		33K	24.5K	10.5K	5.6K
Bacteria	mj/cm2 to Deactivate	Seconds to Deactivate			
Agrobacterium lumefaciens	8,500	0.26	0.35	0.81	1.52
Bacillus anthracis (anthrax veg.)	8,700	0.26	0.36	0.83	1.55
Bacillus anthracis Spores (anthrax spores)	46,200	1.40	1.89	4.40	8.25
Bacillus megatherium Sp. (spores)	5,200	0.16	0.21	0.50	0.93
Bacillus megatherium Sp. (veg)	2,500	0.08	0.10	0.24	0.45
Bacillus paratyphosus	6,100	0.18	0.25	0.58	1.09
Bacillus subtilis	11,000	0.33	0.45	1.05	1.96
Bacillus subtilis Spores	22,000	0.67	0.90	2.10	3.93
Clostridium botulinum	11,200	0.34	0.46	1.07	2.00
Clostridium tetani	23,100	0.70	0.94	2.20	4.13
Corynebacterium diphtheriae	6,500	0.20	0.27	0.62	1.16
Dysentery bacilli	4,200	0.13	0.17	0.40	0.75
Eberthella typhosa	4,100	0.12	0.17	0.39	0.73
Escherichia coli	6,600	0.20	0.27	0.63	1.18
Legionella bozemanii	3,500	0.11	0.14	0.33	0.63
Legionella dumoffi II	5,500	0.17	0.22	0.52	0.98
Legionella gormanil	4,900	0.15	0.20	0.47	0.88
Legionella longbeachae	2,900	0.09	0.12	0.28	0.52
Legionella micdadei	3,100	0.09	0.13	0.30	0.55
Legionella pneumophila	12,300	0.37	0.50	1.17	2.20
Leptospira canicola-Infectious Jaundice	6,000	0.18	0.24	0.57	1.07
Leptospira interrogans	6,000	0.18	0.24	0.57	1.07
Micrococcus candidus	12,300	0.37	0.50	1.17	2.20
Micrococcus sphaeroides	15,400	0.47	0.63	1.47	2.75
Mycobacterium tuberculosis	10,000	0.30	0.41	0.95	1.79
Neisseria catarrhalis	8,500	0.26	0.35	0.81	1.52
Phytomonas tumefaciens	8,500	0.26	0.35	0.81	1.52
Proteus vulgaris	6,600	0.20	0.27	0.63	1.18
Pseudomonas aeruginosa (Environ.Strain)	10,500	0.32	0.43	1.00	1.88
Pseudomonas aeruginosa (Lab. Strain)	3,900	0.12	0.16	0.37	0.70
Pseudomonas fl uoescens	6,600	0.20	0.27	0.63	1.18
Staphylococcus albus	5,720	0.17	0.23	0.54	1.02
Staphylococcus aureus (MRSA)	6,600	0.20	0.27	0.63	1.18

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Staphylococcus epidermidis	5,800	0.18	0.24	0.55	1.04
Streptococcus faecaila	10,000	0.30	0.41	0.95	1.79
Streptococcus hemolyticus	5,500	0.17	0.22	0.52	0.98
Streptococcus lactis	8,800	0.27	0.36	0.84	1.57
Streptococcus pyrogenes	4,200	0.13	0.17	0.40	0.75
Streptococcus salivarius	4,200	0.13	0.17	0.40	0.75
Streptococcus viridans	3,800	0.12	0.16	0.36	0.68
Vibrio cholerae	6,500	0.20	0.27	0.62	1.16
Vibrio comma (Cholera)	6,500	0.20	0.27	0.62	1.16

Virus	mj/cm2 to Deactivate	Seconds to Deactivate			
Adeno Virus Type III	4,500	0.14	0.18	0.43	0.80
Bacteriophage	6,600	0.20	0.27	0.63	1.18
COVID-19	6,160	0.19	0.25	0.59	1.10
Coxsackie	6,300	0.19	0.26	0.60	1.13
Infectious Hepatitis	8,000	0.24	0.33	0.76	1.43
Influenza	6,600	0.20	0.27	0.63	1.18
Rhodospirillum rubrum	6,200	0.19	0.25	0.59	1.11
Rotavirus	24,000	0.73	0.98	2.29	4.29
Salmonella	10,500	0.32	0.43	1.00	1.88
Salmonella enteritidis	7,600	0.23	0.31	0.72	1.36
Salmonella paratyphi (Enteric Fever)	6,100	0.18	0.25	0.58	1.09
Salmonella Species	15,200	0.46	0.62	1.45	2.71
Salmonella typhi (Typhoid Fever)	7,000	0.21	0.29	0.67	1.25
Salmonella typhimurium	15,200	0.46	0.62	1.45	2.71
Sarcina lutea	26,400	0.80	1.08	2.51	4.71
Serratia marcescens	6,160	0.19	0.25	0.59	1.10
Shigella dysenteriae - Dysentery	4,200	0.13	0.17	0.40	0.75
Shigella fl exneri - Dysentery	3,400	0.10	0.14	0.32	0.61
Shigella paradysenteriae	3,400	0.10	0.14	0.32	0.61
Shigella sonnei	7,000	0.21	0.29	0.67	1.25
Spirillum rubrum	6,160	0.19	0.25	0.59	1.10