

UVC Germicidal Light Disinfectant Machines

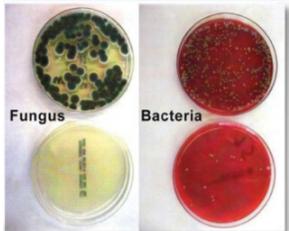
UV-C lights are proven to kill pathogens quickly and effectively. Strike back at bacteria, viruses, fungi or any other germ—this unit reduces surface germs by 99.7%! Room unit or walk-behind floor unit perfect for disinfecting mats and large surfaces.

STERILASER™
KILLING GERMS AT THE SPEED OF LIGHT SINCE 2008

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™ Floor and Room units deliver massive doses of germicidal ultraviolet (UVC) light to disinfect anything from hospital rooms to wrestling and gymnastic mats to public showers or any other large surface. They destroy dangerous germs, bacteria and viruses such as: **Corona ° Influenza ° Hepatitis ° STAPH ° MRSA ° E-Coli ° Salmonella ° HIV**



University Test Results

Tests were conducted on the STERILASER™ by the Bio-Medical department of Oakland University in Rochester Michigan. The tests showed the STERILASER™ to be 99.7% effective. The photo shows the massive pathogen killing power of the STERILASER™.



Room Unit

The Sterilaser™ Room Unit should be located in the center of a room, and target surfaces must be directly exposed to ultraviolet rays.

- ◆ Remote activation allows safe early room entrance
- ◆ Timer delivers exact required treatment time



Floor Unit

Delivers 57,000 Micro-watts of UVC light, killing 99.7% of pathogens in less than 0.25 seconds.

- ◆ Ringworm, Impetigo, and MRSA etc. are killed in one pass
- ◆ When pulled at a normal walking pace, it completely sterilizes an entire 40'x40' wrestling mat in 4 minutes



STERILASER™ is a "Green Technology."

UVC does not contribute to the development of resistant strains of microorganisms, as do other antimicrobials and antibiotics. **DESIGNED, MACHINED AND ASSEMBLED IN THE USA!**

Trusted technology for cleaner, safer facilities

Determining Treatment Time for Room Sizes

The Sterilaser™ Room Unit is intended for use in UNOCCUPIED AREAS ONLY.

1. The Sterilaser™ Room Unit should be located in the center of the room and target surfaces must be directly exposed to the ultraviolet rays.
2. Measure the longest distance from the Sterilaser™ Room Unit to the farthest object to be disinfected. Use this length to compare to the distance from Fixtures / Time shown on Figure 1 below. If a greater dose is required, increase treatment time.

Figure 1 – Treatment Time and UV Dosage Based on Distance from Fixture – STERILASER™

Distant to target		5'	10'	15'	20'
STERILASER™ Output (mj/cm2)		250	130	55	40
Bacteria	mj/cm2 to Deactivate	Minutes to Deactivate			
Agrobacterium lumefaciens	8,500	0.57	1.09	2.58	3.54
Bacillus anthracis (anthrax veg.)	8,700	0.58	1.12	2.64	3.63
Bacillus anthracis Spores (anthrax spores)	46,200	3.08	5.92	14.00	19.25
Bacillus megatherium Sp. (spores)	5,200	0.35	0.67	1.58	2.17
Bacillus megatherium Sp. (veg)	2,500	0.17	0.32	0.76	1.04
Bacillus paratyphosus	6,100	0.41	0.78	1.85	2.54
Bacillus subtilis	11,000	0.73	1.41	3.33	4.58
Bacillus subtilis Spores	22,000	1.47	2.82	6.67	9.17
Clostridium botulinum	11,200	0.75	1.44	3.39	4.67
Clostridium tetani	23,100	1.54	2.96	7.00	9.63
Corynebacterium diphtheriae	6,500	0.43	0.83	1.97	2.71
Dysentery bacilli	4,200	0.28	0.54	1.27	1.75
Eberthella typhosa	4,100	0.27	0.53	1.24	1.71
Escherichia coli	6,600	0.44	0.85	2.00	2.75
Legionella bozemanii	3,500	0.23	0.45	1.06	1.46
Legionella dumoffii II	5,500	0.37	0.71	1.67	2.29
Legionella gormanii	4,900	0.33	0.63	1.48	2.04
Legionella longbeachae	2,900	0.19	0.37	0.88	1.21
Legionella micdadei	3,100	0.21	0.40	0.94	1.29
Legionella pneumophila (Legionnaire's Disease)	12,300	0.82	1.58	3.73	5.13
Leptospira canicola-Infectious Jaundice	6,000	0.40	0.77	1.82	2.50
Leptospira interrogans	6,000	0.40	0.77	1.82	2.50
Micrococcus candidus	12,300	0.82	1.58	3.73	5.13
Micrococcus sphaeroides	15,400	1.03	1.97	4.67	6.42
Mycobacterium tuberculosis	10,000	0.67	1.28	3.03	4.17
Neisseria catarrhalis	8,500	0.57	1.09	2.58	3.54
Phytomonas tumefaciens	8,500	0.57	1.09	2.58	3.54
Proteus vulgaris	6,600	0.44	0.85	2.00	2.75
Pseudomonas aeruginosa (Environ. Strain)	10,500	0.70	1.35	3.18	4.38
Pseudomonas aeruginosa (Lab. Strain)	3,900	0.26	0.50	1.18	1.63
Pseudomonas fluorescens	6,600	0.44	0.85	2.00	2.75
Streptococcus faecalis	10,000	0.67	1.28	3.03	4.17
Streptococcus hemolyticus	5,500	0.37	0.71	1.67	2.29
Streptococcus lactis	8,800	0.59	1.13	2.67	3.67
Streptococcus pyrogenes	4,200	0.28	0.54	1.27	1.75
Streptococcus salivarius	4,200	0.28	0.54	1.27	1.75
Streptococcus viridans	3,800	0.25	0.49	1.15	1.58
Vibrio cholerae	6,500	0.43	0.83	1.97	2.71
Vibrio comma (Cholera)	6,500	0.43	0.83	1.97	2.71

Distant to target		5'	10'	15'	20'
STERILASER™ Output (mj/cm2)		250	130	55	40
Molds	mj/cm2 to Deactivate	Minutes to Deactivate			
Aspergillus amstelodami	77,000	5.13	9.87	23.33	32.08
Aspergillus flavus	99,000	6.60	12.69	30.00	41.25
Aspergillus glaucus	88,000	5.87	11.28	26.67	36.67
Aspergillus niger (black mold)	330,000	22.00	42.31	100.00	137.50
Mucor mucedo	77,000	5.13	9.87	23.33	32.08
Mucor racemosus (A & B)	35,200	2.35	4.51	10.67	14.67
Oospora lactis	11,000	0.73	1.41	3.33	4.58
Penicillium chrysogenum	56,000	3.73	7.18	16.97	23.33
Penicillium digitatum	88,000	5.87	11.28	26.67	36.67
Penicillium expansum	22,000	1.47	2.82	6.67	9.17
Penicillium roqueforti	26,400	1.76	3.38	8.00	11.00
Rhizopus nigricans (cheese mold)	220,000	14.67	28.21	66.67	91.67

Distant to target		5'	10'	15'	20'
STERILASER™ Output (mj/cm2)		250	130	55	40
Virus	mj/cm2 to Deactivate	Minutes to Deactivate			
Adeno Virus Type III	4,500	0.30	0.58	1.36	1.88
Bacteriophage	6,600	0.44	0.85	2.00	2.75
COVID-19	6,160	0.41	0.79	1.87	2.57
Coxsackie	6,300	0.42	0.81	1.91	2.63
Infectious Hepatitis	8,000	0.53	1.03	2.42	3.33
Influenza	6,600	0.44	0.85	2.00	2.75
Rhodospirillum rubrum	6,200	0.41	0.79	1.88	2.58
Rotavirus	24,000	1.60	3.08	7.27	10.00
Salmonella	10,500	0.70	1.35	3.18	4.38
Salmonella enteritidis	7,600	0.51	0.97	2.30	3.17
Salmonella paratyphi (Enteric Fever)	6,100	0.41	0.78	1.85	2.54
Salmonella Species	15,200	1.01	1.95	4.61	6.33
Salmonella typhi (Typhoid Fever)	7,000	0.47	0.90	2.12	2.92
Salmonella typhimurium	15,200	1.01	1.95	4.61	6.33
Sarcina lutea	26,400	1.76	3.38	8.00	11.00
Serratia marcescens	6,160	0.41	0.79	1.87	2.57
Shigella dysenteriae - Dysentery	4,200	0.28	0.54	1.27	1.75
Shigella flexneri - Dysentery	3,400	0.23	0.44	1.03	1.42
Shigella paradysenteriae	3,400	0.23	0.44	1.03	1.42
Shigella sonnei	7,000	0.47	0.90	2.12	2.92
Spirillum rubrum	6,160	0.41	0.79	1.87	2.57
Staphylococcus albus	5,720	0.38	0.73	1.73	2.38
Staphylococcus aureus (MRSA)	6,600	0.44	0.85	2.00	2.75
Staphylococcus epidermidis	5,800	0.39	0.74	1.76	2.42

Lamps: Room Unit (8) 46" T5 High Output, 54w, UVC, Up to 10,000 hours
 Floor Unit (4) 46" T5 High Output, 54w, UVC, Up to 10,000 hours
UV Wavelength: 254 nm
UV Intensity per lamp: 432 uW/cm2

