

STERILASER™

KILLING GERMS AT THE SPEED OF LIGHT SINCE 2008

In short, if a pathogen has DNA it dies. Different Pathogens require different exposure levels of UVC for them to be deactivated. 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.

Distant to target	
STERILASER™ Output (mj/cm2)	
Bacteria	mj/cm2 to Deactivate
Agrobacterium lumefaciens	8,500
Bacillus anthracis (anthrax veg.)	8,700
Bacillus anthracis Spores (anthrax spores)	46,200
Bacillus megatherium Sp. (spores)	5,200
Bacillus megatherium Sp. (veg)	2,500
Bacillus paratyphosus	6,100
Bacillus subtilis	11,000
Bacillus subtilis Spores	22,000
Clostridium botulinum	11,200
Clostridium tetani	23,100
Corynebacterium diphtheriae	6,500
Dysentery bacilli	4,200
Eberthella typhosa	4,100
Escherichia coli	6,600
Legionella bozemanii	3,500
Legionella dumoffii II	5,500
Legionella gormanii	4,900
Legionella longbeachae	2,900
Legionella micdadei	3,100
Legionella pneumophila (Legionnaire's Disease)	12,300
Leptospira canicola-Infectious Jaundice	6,000
Leptospira interrogans	6,000
Micrococcus candidus	12,300
Micrococcus sphaeroides	15,400
Mycobacterium tuberculosis	10,000
Neisseria catarrhalis	8,500
Phytomonas tumefaciens	8,500
Proteus vulgaris	6,600
Pseudomonas aeruginosa (Environ.Strain)	10,500
Pseudomonas aeruginosa (Lab. Strain)	3,900
Pseudomonas fl uorescens	6,600
Streptococcus faecalis	10,000
Streptococcus hemolyticus	5,500
Streptococcus lactis	8,800
Streptococcus pyrogenes	4,200
Streptococcus salivarius	4,200
Streptococcus viridans	3,800
Vibrio cholerae	6,500
Vibrio comma (Cholera)	6,500

Distant to target	
STERILASER™ Output (mj/cm2)	
Molds	mj/cm2 to Deactivate
Aspergillus amstelodami	77,000
Aspergillus fl avus	99,000
Aspergillus glaucus	88,000
Aspergillus niger (bread mold)	330,000
Mucor mucedo	77,000
Mucor racemosus (A & B)	35,200
Oospora lactis	11,000
Penicillium chrysogenum	56,000
Penicillium digitatum	88,000
Penicillium expansum	22,000
Penicillium roqueforti	26,400
Rhizopus nigricans (cheese mold)	220,000

Virus	mj/cm2 to Deactivate
Adeno Virus Type III	4,500
Bacteriophage	6,600
COVID-19	6,160
Coxsackie	6,300
Infectious Hepatitis	8,000
Influenza	6,600
Rhodospirillum rubrum	6,200
Rotavirus	24,000
Salmonella	10,500
Salmonella enteritidis	7,600
Salmonella paratyphi (Enteric Fever)	6,100
Salmonella Species	15,200
Salmonella typhi (Typhoid Fever)	7,000
Salmonella typhimurium	15,200
Sarcina lutea	26,400
Serratia marcescens	6,160
Shigella dysenteriae - Dysentery	4,200
Shigella fl exneri - Dysentery	3,400
Shigella paradysenteriae	3,400
Shigella sonnei	7,000
Spirillum rubrum	6,160
Staphylococcus albus	5,720
Staphylococcus aureus (MRSA)	6,600
Staphylococcus epidermidis	5,800

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