



Independent Testing of the Xenex System on 20+ Microorganisms, 1000+ Replicates

Xenex has tested its patented UV disinfection system on a variety of organisms in several independent labs in the US and internationally. This data, combined with our expertise in using UV pulses to disinfect hospital environments, is used to design room protocols and facility-wide service plans for our customers. These protocols – which include device placement, angles, and pulse time – are based upon the desired efficacy, the suspected organisms present, the dimensions of the space being disinfected, and other variables such as the reflectivity and the texture of critical surfaces.

Microorganism	Replicates	Spherical Range as Tested	Control	Post (Max)	Post (Median)	Median % Reduction
<i>Acinetobacter baumannii</i>	2	13 ft.	1.37E+05	0.00E+00	0.00E+00	100.00
<i>Aspergillus niger</i>	60	13 ft.	4.00E+04	0.00E+00	2.00E+01	99.95
<i>Bacillus cereus</i> spores	224	26 ft.	1.50E+05	5.00E+00	1.95E+02	99.87
"BG" endospores (an anthrax surrogate)	6	13 ft.	7.00E+02	0.00E+00	2.00E+01	97.14
<i>Bacillus pumilus</i> spores	124	26 ft.	1.90E+05	0.00E+00	6.80E+01	99.96
<i>Bacillus subtilis</i> spores	2	7 ft.	5.50E+06	0.00E+00	0.00E+00	100.00
<i>Candida albicans</i>	48	10 ft.	2.00E+05	0.00E+00	1.50E+01	99.99
<i>Clostridium difficile</i> ("C. diff")	6	7 ft.	3.33E+05	6.60E+00	2.48E+01	99.99
<i>Escherichia coli</i>	64	26 ft.	5.00E+05	0.00E+00	0.00E+00	100.00
<i>Klebsiella oxytoca</i>	64	26 ft.	2.00E+06	0.00E+00	7.00E+00	100.00
<i>Klebsiella pneumoniae</i>	64	26 ft.	5.00E+06	0.00E+00	1.25E+01	100.00
<i>Escherichia coli</i> (KREC) ¹	2	13 ft.	5.00E+02	0.00E+00	0.00E+00	100.00
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	2	13 ft.	1.23E+05	0.00E+00	0.00E+00	100.00
MS2 phage ²	2	13 ft.	1.00E+04	0.00E+00	0.00E+00	100.00
<i>Pseudomonas aeruginosa</i>	80	13 ft.	7.50E+05	0.00E+00	7.50E+00	100.00
<i>Proteus mirabilis</i>	64	26 ft.	1.60E+05	0.00E+00	1.15E+02	99.93
<i>Proteus morgani</i>	64	26 ft.	4.00E+05	0.00E+00	5.70E+01	99.99
<i>Proteus vulgaris</i>	64	26 ft.	2.00E+05	0.00E+00	1.45E+01	99.99
<i>Staphylococcus aureus</i> (for MRSA) ³	80	13 ft.	3.00E+05	0.00E+00	8.00E+00	100.00
<i>Staphylococcus epidermis</i>	64	26 ft.	8.00E+05	0.00E+00	0.00E+00	100.00
Vancomycin-resistant <i>Enterococci</i> (VRE)	2	13 ft.	2.75E+04	0.00E+00	0.00E+00	100.00

¹Tetracycline and Kanamycin resistant *e. coli*.

² MS2 phage is a virus known to have high UV resistance

³ *S. aureus* has the same UV profile as methicillin-resistant *S. aureus* (MRSA)

PROPRIETARY AND CONFIDENTIAL INFORMATION BELONGING TO XENEX HEALTHCARE SERVICES, LLC

This document and the information contained herein is proprietary information belonging exclusively to Xenex Healthcare Services, LLC. This document contains trade secrets, confidential and proprietary information belonging exclusively to Xenex Healthcare Services, LLC ("Xenex"). The recipient hereof agrees: to maintain the confidentiality of this document and the information contained herein and therefore agrees not to disclose the contents to any third party; within the recipient's organization to only share this information with persons employed by such organization with a need to know; to only use this document and the information contained herein to assess the products and services to be provided by Xenex; and to return or destroy all copies of this document upon request by Xenex.