Table 1: Disinfection Efficacy

Pathogen	Log Reduction Value	Elimination %	Testing Date	Testing Site
Acinetobacter baumannii	6.07	>99.999%	02 Jun 2016	Northwest Regional Center of Excellence for Biodefense & Emerging Infectious Diseases Research, Univ of Washington
Aspergillus niger	6.41	>99.999%	03 Aug 2016	Pacific Northwest Microbiology Services
Bacillus subtilis	6.12	>99.999%	03 Aug 2016	Pacific Northwest Microbiology Services
Candida albicans	5.88	>99.999%	20 Nov 2015	Pacific Northwest Microbiology Services
Coronavirus (Human, OC43)	5.00	>99.999%	04 Mar 2016	School of Public Health, Univ of Washington (UW)
Ebola virus	5.27	>99.999%	21 June 2017	Rocky Mountain Laboratories, US National Institutes of Health
Enterobacter cloacae	> 6.89	>99.999%	15 Jun 2016	Pacific Northwest Microbiology Services
Enterococcus faecalis (VRE)	6.07	>99.999%	20 Nov 2015	Pacific Northwest Microbiology Services
Escherichia coli	7.98	>99.999%	03 Aug 2016	Pacific Northwest Microbiology Services
Escherichia coli 0157	5.47	>99.999%	20 Nov 2015	Pacific Northwest Microbiology Services
Escherichia coli NDM-1	> 7.08	>99.999%	15 Jun 2016	Pacific Northwest Microbiology Services
Klebsiella pneumoniae	7.63	>99.999%	20 Nov 2015	Pacific Northwest Microbiology Services
Listeria monocytogenes	Neg culture	>99%	02 Mar 2015	Cascade Analytical Inc.
Mold (fungus NOS)	Neg culture	>99%	15 Apr 2015	Cascade Analytical Inc.
MRSA (Staph. aureus)	5.0	>99.999%	02 Jun 2016	NW Regional COE for Biodefense & Emerging Infectious Disease Research, University of Washington
Polymicrobial biofilm	3.41	99.96%	15 Nov 2016	Pacific Northwest Microbiology Services
Prions (vCJD, others)	>6	>99.999%	29 Sept 2016	Rocky Mountain Laboratories, US National Institutes of Health
Proteus vulgaris	> 7.16	>99.999%	15 Jun 2016	Pacific Northwest Microbiology Services
Pseudomonas aeruginosa	5.47	>99.999%	20 Nov 2015	Pacific Northwest Microbiology Services
Salmonella choleraesuis	7.97	>99.999%	20 Nov 2015	Pacific Northwest Microbiology Services
Shigella flexneri	> 6.75	>99.999%	15 Jun 2016	Pacific Northwest Microbiology Services
Staph epidermidis	Roughly 2	99%	11 May 2016	Scientific Clinical Labs, Dubai
Yersinia enterocolitica	> 6.29	>99.999%	15 Jun 2016	Pacific Northwest Microbiology Services

[a] Brio HOCL™ pathogen testing performed by a range of independent laboratories. Time-kill tests performed at Pacific Northwest Microbiology Services and University of Washington followed the ASTM protocol E 2315. Prion inactivation at RML-US NIH was measured by RTQuIC and by intracerebral inoculation of prions in brain homogenates exposed to Brio HOCL™ [29]. Coronavirus inactivation was detected by use of a RT qPCR proprietary to University of Washington School of Public Health.