

Scientific Services

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Consultant Microbiologists

K121169-70

7th June 2020

LABORATORY REPORT

SOURCE: X-Mist

ITEMS: X-Mist aerosol

TESTS: Residual Activity Test.

METHOD: Sterilised 150ml x 150ml ceramic tiles were treated with X-mist aerosol. The product was applied to the tiles by spraying for two seconds from approximately 30cm distance. The tiles were allowed to air dry and were then stored at ambient temperature and humidity for seven days prior to evaluating the residual activity of the product. The tiles were not subjected to washing, abrasion, contamination or any form of cleaning during the storage period. 0.1ml aliquots of suspensions of both *Staphylococcus aureus* ATCC 6538 and *Pseudomonas aeruginosa* ATCC 15442 containing 0.3g/l Bovine albumin were applied to discreet areas of the tiles and covered with sterile film (50ml x 50ml). These were maintained at 20C for 5 minutes, after which time surviving organisms were recovered by swabbing and plating out using standard techniques. Untreated tiles were used as controls.

RESULTS: See table

K121169-70 X-Mist aerosol

Table of Results: Recoveries of viable organisms

Test Organism	Control Tile	Treated Tile	Log Reduction
Staphylococcus aureus	4.1x10 E6	2.2x10 E4	2.27
Pseudomonas aeruginosa	7.2x10 E6	7.9x10 E4	1.96

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