



YOUR NEW ZEALAND MADE ORGANIC SOLUTION  
TO A CLEAN GREEN ENVIRONMENT

## Bio-Zyme Multipurpose Test Results

Test Protocol: AOAC Official method 960.09  
Germicidal and Detergent Sanitizing Action of Disinfectants

Micro-Organisms	Dilution	Contact Time (mins)	Log Reduction	Result
Escherichia coli	20ml per litre	One	>5.77	99.999%
Salmonella Menston	20ml per litre	One	>6.23	99.999%
Listeria monocytogens	20ml per litre	One	>4.85	99.999%
Campylobacter jejuni	20ml per litre	One	>4.60	99.99 %
Staphylococcus aureus	20ml per litre	Thirty	>6.32	99.999%
Pseudomonas aeruginosa	20ml per litre	Thirty	>5.96	99.999%
Proteus vulgaris	20ml per litre	Thirty	>6.34	99.999%
Clostridium difficile	20ml per litre	Thirty	>3.04	99.90%

### Virus

Test Method: TMCV 006, ASTM 1053  
Testing of virucidal activity of disinfectants by surface carrier technique.

Virus	Dilution	Contact Time (mins)	Log Reduction	Result
Noro virus	60ml per litre	Fifteen	3.27	99.9%

Note: Feline calicivirus is a norovirus and is used as surrogate virus in the testing of hard surface disinfectants.

## Bio-Zyme Cleaner Test Results

### Bacteria

Test Protocol: AOAC Official method 960.09  
Germicidal and Detergent Sanitizing Action of Disinfectants

Micro-Organisms	Dilution	Contact Time (mins)	Log Reduction	Result
Escherichia coli	20ml per litre	One	>5.77	99.999%
Salmonella Menston	20ml per litre	One	>6.23	99.999%
Listeria monocytogens	20ml per litre	Ten	>4.85	99.998%
Campylobacter jejuni	20ml per litre	Ten	>4.60	99.99%

### Virus

Test Method: TMCV 006, ASTM 1053  
Testing of virucidal activity of disinfectants by surface carrier technique.

Virus	Dilution	Contact Time (mins)	Log Reduction	Result
Murine Hepatitis virus	60ml per litre	Fifteen	4.73	99.99%

**NOTE:** Murine Hepatitis virus is a coronavirus and is used as surrogate virus in the testing of hard surface disinfectants against coronavirus like Covid 19 & SAR-CoV-2.

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