


# Quantitative suspension test for evaluation of virucidal activity in the medical area (Phase 2 Step1)

## For Screening Purposes Only

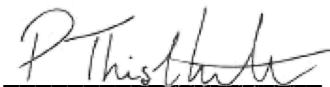
Microbiological Solutions Limited (MSL)  
Gollinrod, Walmersley, Bury, BL9 5NB, UK

Angela Davies, CEO

Customer: Zoono UK & Europe  
Contact name: James Milnes  
Email: james.milnes@zoono.com  
Address: Unit 15, Bunting Road, Bursy St Edmunds, IP32 7BX  
PO/Quote number: Q002081  
Report Date: 27/02/2020  
Issue Number: 1



Megan Barrett  
Laboratory Manager



Peter Thistlethwaite  
Technical Projects Manager

Test information	
Name of Product	Microbe Shield
Batch Number & Expiry Date	8318 Exp 11:2022
Date of Delivery	03/02/2020
Period of Analysis	19/02/2020-24/02/2020
Manufacturer / Supplier	Zoono UK & Europe
Storage Conditions	Ambient
Appearance of the Product	Colourless liquid
Neutralisation Method	Filtration
Product Diluent	Distilled water
Test Concentrations	Neat
Experimental Conditions	Dirty
Interfering Substance	Dirty 3.0g/l Bovine Albumin + 3ml/l erythrocytes
Test Temperature	20°C ± 1°C
Temperature of Incubation	Bacteria - 37°C ± 1°C for 24hr to 48hrs
Identification of the Viral Strains:	Feline coronavirus, Strain Munich
Contact Times	5 minutes ± 10s (surface)
Stability and Appearance During Test	No Change Observed

**Test Result Summary**

**The test product Microbe Shield has shown a log reduction of 4.33, when tested under the conditions stipulated in this report, against Feline coronavirus**

The test results on this report refer only to the items tested as supplied by the customer. This report shall not be reproduced except in full and with written approval of Microbiological Solutions Ltd. All reports are archived for a minimum of 2 years.  
The sample will be retained for 1 month unless otherwise requested in writing.

	Feline coronavirus	COVID-19 (SARS-CoV2)
Realm	Riboviria	Riboviria
Order	Nidovirales	Nidovirales
Family	Coronaviridae	Coronaviridae
Genus	Alphacoronavirus	Betacoronavirus
Species	Alphacoronavirus 1	COVID-19

The members of the family Coronaviridae are enveloped and have a positive sense RNA genome. Coronaviruses have a distinct morphology with an outer 'corona' of embedded envelope spikes. These viruses cause a broad spectrum of animal and human disease.

Andrew M.Q. King, Michael J. Adams, Eric B. Carstens, and Elliot J. Lefkowitz 'Virus Taxonomy, Classification and Nomenclature of Viruses, Ninth Report of the International Committee on Taxonomy of Viruses' 2012 ISBN 9780123846846