

## MSL statement on the use of Feline coronavirus

	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

SARS-CoV2 is a new strain and poses significant human risk so testing cannot be carried out on the organism at this time for commercial purposes. In lieu of the exact strain a surrogate organism can be used, MSL have chosen to use Feline coronavirus, as they are similar in nature and this strain is already approved for use in EN methodology.

Amlak's product SterilOx was able to achieve a log reduction of:

4.08 or 99.99% at neat concentration in 2 minutes

3.71 or 99.98% at 50% concentration in 2 minutes

SOLUTION PROVIDERS