

Rely+On™ Virkon™

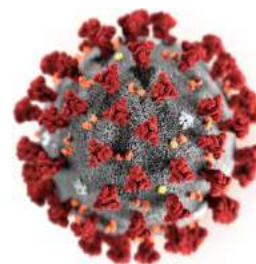
Rely+On™ Virkon™ to Assist Wuhan Coronavirus Inactivation

Arunee Thanasarakulpong, DVM., MS., 31st January 2020

Q1: What Do We Know About Wuhan Coronavirus?

Wuhan Coronavirus or the Novel Coronavirus (2019-nCoV) is an emerging virus belonging to the Coronavirus (CoV) family. This is a large family, which can cause a wide range of illnesses in humans: from mild common colds to deadly respiratory tract syndromes - Middle East Respiratory Syndrome (MERS) and Severe Acute Respiratory Syndrome (SARS). The virus was named after a city in Hubei Province, China, where the virus was first identified as the cause of a respiratory outbreak in December, 2019.

The information about this virus is now still limited. Scientists have been intensively studying since the first outbreak was reported. Recent studies suggest that 2019-nCoV belongs to the classification Betacoronavirus, which has been found to be genetically related to SARS CoV with a resemblance of 80%. Regarding its virulence and contagiousness - some experts say that, unlike SARS-CoV and MERS-CoV, the Wuhan Virus 'seems' to be more contagious but less virulent than SARS.



The Structure of Coronavirus
(Ref. CDC)

Q2: Does Rely+On™ Virkon™ Have Efficacy Test Against Wuhan Coronavirus?

Unfortunately, not at the moment. There hasn't been a disinfectant efficacy test against the Wuhan Coronavirus strain established as of yet. As the strain is totally new, a specific test method will have to be set up in a laboratory in order to run the test.

However, Rely+On™ Virkon™ was widely used during the SARS and MERS outbreaks in Saudi Arabia and South Korea in 2015, as well as to assist in the outbreak of the Norovirus in South Korea during the Olympic games. As SARS and MERS belong to the same virus family as Wuhan (they share similarities), it is expected that Rely+On™ Virkon™ would inactivate Wuhan Coronavirus in the same manner. Furthermore, LANXESS will provide continued data updates on this current virus strain as soon as they are available.



Rely+On™ Virkon™ efficacy test against Human Coronavirus Strain 229E in 2013 demonstrated complete inactivation following a 10-minute exposure time (>4.50 log₁₀ reduction diluted at 1:100 in the condition of 5% organic soil load, 400 ppm hard water at 20 °C as required by US-EPA)

FINAL STUDY REPORT

STUDY TITLE

Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces

Virus: Human Coronavirus

PRODUCT IDENTITY

Rely + On™ Virkon®
Lot 1306BA0298

Q3: How Can Rely+On™ Virkon™ Assist?

Rely+On™ Virkon™ is a unique, powerful, broad-spectrum disinfectant with extensive efficacy studies, safety testing and environmental profiles. It has been used globally for routine disinfection and/or decontamination of hard surfaces: floors, walls, doors and door handles, walkway, furniture, equipment, and bathroom in various areas such as medical facilities, pathology and biosafety containment laboratories, treatment salons and residential homes. Body fluid spillage can also be decontaminated with Rely+On™ Virkon™.

For Wuhan CoV inactivation, we suggest a 1% (1:100) Rely+On™ Virkon™ solution with a 10-minute contact time.

Q4: How Can We Apply Rely+On™ Virkon™?

For hard surface disinfection, Rely+On™ Virkon™ solution can be applied at a rate of 200 ml/m² using either a trigger spray bottle, a suitable knapsack type sprayer, cloth, sponge or floor mop.

For equipment disinfection, the equipment can either be submerged and washed in disinfectant solution or sprayed and then wiped clean with a cloth or sponge.



Q5: Is There Anything to Be Concerned With the Use of Rely+On™ Virkon™?

Yes - it is strongly advised that Rely+On™ Virkon™ is not intended for use for the disinfection of medical devices and users should always check for compatibility with any sensitive materials before use. Do not use on any soft metals such as brass or copper and it is not recommended for use on soft furnishings, textiles or carpets. You may also rinse disinfected equipment with clean water after 10 minutes when materials compatibility is of concern.

Q6: How to Dispose 1% Rely+On™ Virkon™ Solution?

Rely+On™ Virkon™ is intended to be used at 1% or less in most situations, at which dilution rate the product is considered to be of low hazard and safe. It is not classified as hazardous according to the Globally Harmonized System for hazard classification (GHS).

Rely+On™ Virkon™ solution is generally considered to be of low risk to municipal sewage treatment facilities. The solution may generally be disposed via drains leading to a foul sewer but not via drains leading to surface waters. Disposal to foul sewer is typically subject to discharge consent with the appropriate local authority and normally requires prior approval and control of the volumes discharged. Please always seek guidance from your local authority prior to discharge. We have data which can be provided in support of any discharge consent procedures.

For any safety concerns, we have provided Rely+On™ Virkon™ Safety of 1% Solutions data sheet you may request through our professional partners where the product is registered.

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