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## Efficacy of PX-Formulations against Coronavirus



Killgerm Chemicals supplies the PX-formulations to the pest control industry under the brand names PX-Parvo, PX-Ornikill, PX-Lepto and PX-ULV disinfectant.

The PX- formulations have demonstrated virucidal activity relevant to enveloped viruses which includes Coronavirus.

Coronaviruses are enveloped viruses with a positive-sense single-stranded RNA genome. The PX-formulations have been tested against Adenovirus and Murine norovirus in accordance with EN14476, the European standard for demonstrating virucidal activity of a disinfectant, against the enveloped Vaccinia virus.

According to EN14476:2013 + A2:2019, testing the efficacy of a disinfectant against Adenovirus and Murine norovirus [1] allows the product to claim efficacy against enveloped viruses[2] including Coronavirus, Influenza virus, Hepatitis B and C and Human Immunodeficiency virus (HIV).[3]



### CONCLUSION

According to EN 14476:2013 + A1:2015 PX-formulations possess VIRUCIDAL activity at a concentration of 10.0%v/v (1 in 10) as tested after **5 MINUTES** at 20°C under **CLEAN** conditions (0.3g/l bovine albumin) against Adenovirus 5 (ATCC VR-5)/HeLa cells.

According to EN 14476:2013+A1:2015, PX-formulations possess VIRUCIDAL activity at a concentration of 10.0%v/v (1 in 10) as tested after **5 MINUTES** at 20°C under **CLEAN** conditions (0.3g/l bovine albumin) against Murine norovirus s99/RAW 264.7 cells.

PX-formulations are therefore claimed to be effective against enveloped viruses, including Coronavirus, at a dilution of 1:10 when subjected to a 5-minute contact time. Full test reports are available on request

[1] Table 1 Minimum and additional test conditions EN14476:2013 + A2:2019

[2] Footnote a to Table 1 EN14476:2013 + A2:2019

[3] Annex 2 EN14476:2013 + A2:2019