

## Efficacy of Chemgene HLD4 Formulations against Coronavirus

Medimark Scientific supplies the HLD4 formulation to the human health and laboratory markets under the brand names Chemgene HLD4H, Reprodis HLD4I and Chemgene HLD4L. The HLD4 formulation has demonstrated virucidal activity relevant to enveloped viruses which includes Coronavirus.

Coronaviruses are enveloped viruses with a positive-sense single-stranded RNA genome. The HLD4 formulation has 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 <sup>[1]</sup> allows the product to claim efficacy against enveloped viruses<sup>[2]</sup> including Coronavirus, Influenza virus, Hepatitis B and C and Human Immunodeficiency virus (HIV).<sup>[3]</sup>



### CONCLUSION

According to EN 14476:2013 + A1:2015, **HLD4 POSSESSES VIRUCIDAL** activity at a concentration of **10.0% v/v (1 in 10)** as tested after **5 MINUTES** at **20°C** under **CLEAN** conditions (0.3 g/l bovine albumin) against Adenovirus 5 (ATCC VR-5)/HeLa cells.

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Chemgene HLD4H, HLD4L and Reprodis HLD4I is 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

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[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

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