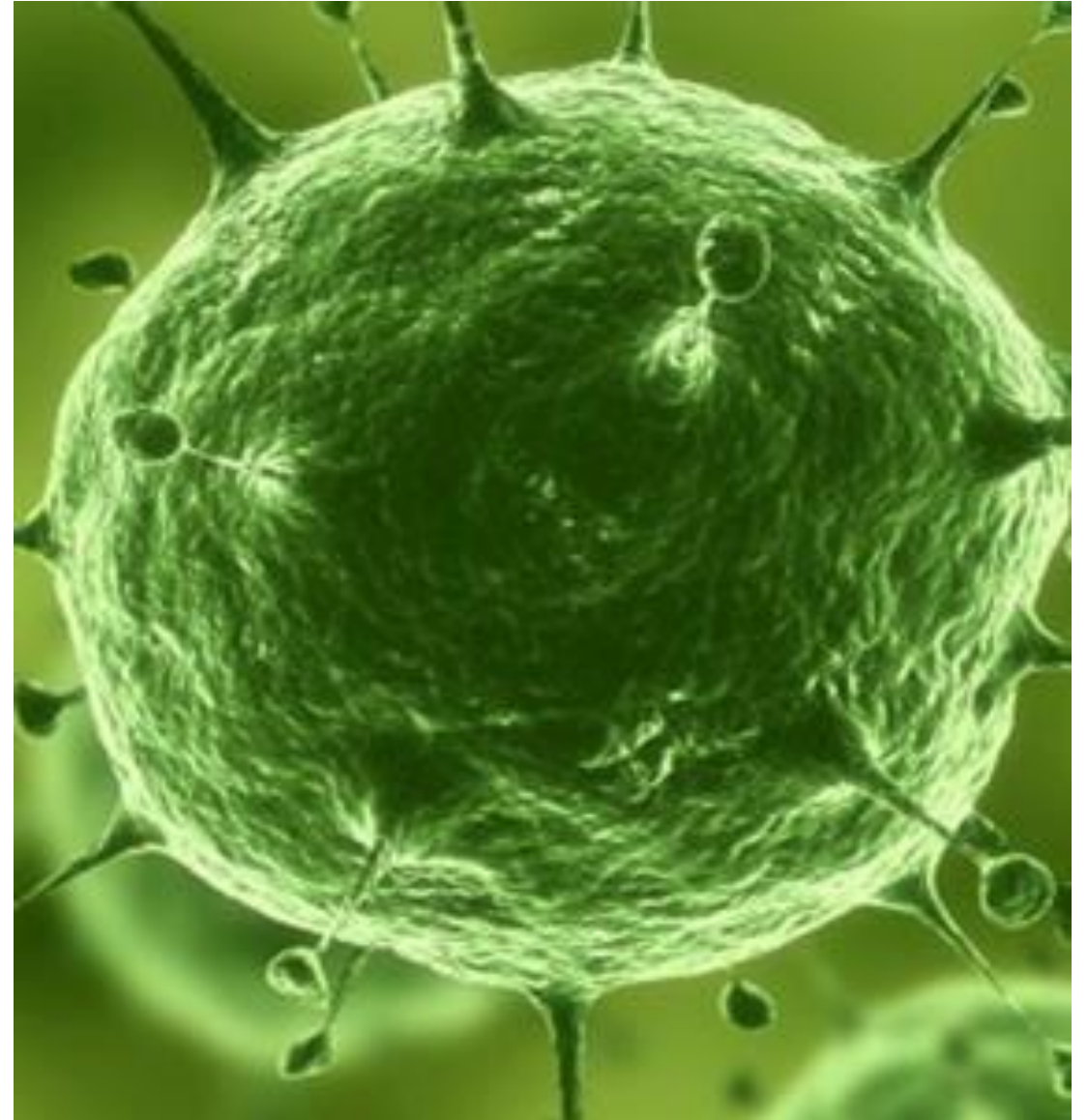


SANISAFE 4C

Inactivation of Coronaviridae
(Poxvirus Family, enveloped virus)



alliedhygiene

Efficacy - Viruses

Test Virus	Spectrum of Effectiveness (Example)
<p>BVDV – Bovine Viral Diarrhoea Virus Enveloped Virus</p> <p>Vacciniavirus - Surrogate virus for Hepatitis C Enveloped virus</p> <p>Elstree Strain (MVA)</p>	<p>Blood Borne Infections (haemorrhagic infection)</p> <ul style="list-style-type: none">- Hepatitis-B-Virus (HBV)- Hepatitis-C-Virus (HCV)- Human Immunodeficiency Virus (HIV) <p>Respiratory Borne Infections (respiratory infection)</p> <ul style="list-style-type: none">- Human Coronavirus (HCoV) 229E and OC43- Influenza Virus A (e.g. H1N1, H3N2) and B- Meta Pneumonia Virus- Respiratory Syncytial Virus (RSV) <p>Travel Borne Infections</p> <ul style="list-style-type: none">- Bunyavirus (Sand Fly Fever)- Dengue Virus, Ebola Virus, Yellow Fever Virus, Hanta Virus, Lassa Virus, Marburg Virus- Crimean Congo Haemorrhagic Fever- TBE Virus- SARS-CoV, MERS-CoV- Rabies Virus- Wet Nile Virus (West Nile Fever)

Efficacy – Enveloped Viruses - BVDV

Table 1: BVDV – inactivating properties of Sanisafe 4C a quantitative suspension test at 20°C

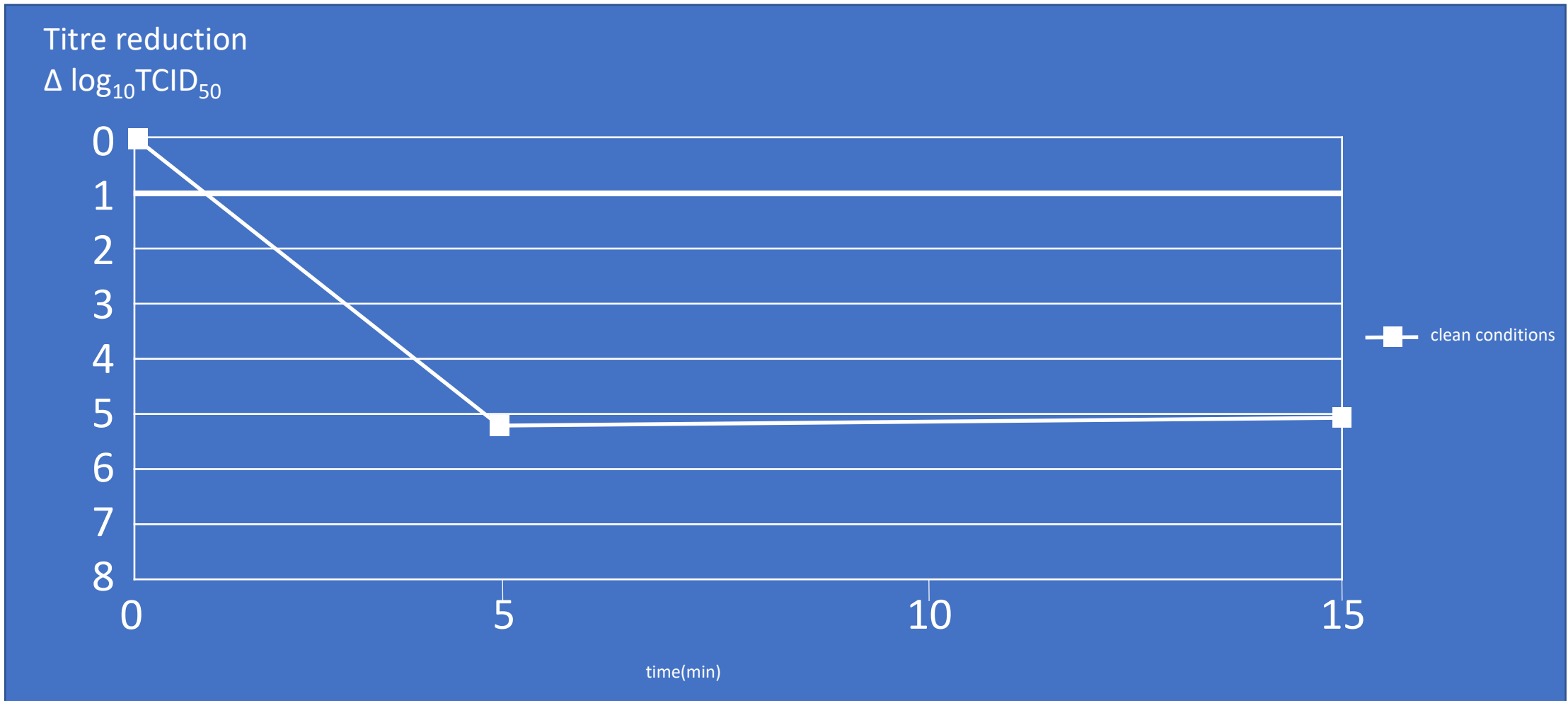
Concentration Of Disinfectant	Virus Content In the control (Log ₁₀ ID ₅₀ /mL)	Interfering Substances	Titre Reduction (RF) after:		
			5 min	10 min	15 min
0.5%	5.50	None	3.88	≥ 4.00	≥ 4.00
0.5%	5.87	0.2% BSA	4.00	≥ 4.37	≥ 4.37
0.5%	5.87	10.0% FCS	3.12	3.87	≥ 4.37

Efficacy – Vaccinia Virus – Elstree Strain

Table 1: Vaccinia Virus – inactivating properties of Sanisafe 4C a quantitative suspension test at 20°C

Concentration Of Disinfectant	Virus Content In the control ($\text{Log}_{10}\text{ID}_{50}/\text{mL}$)	Interfering Substances	Titre Reduction (RF) after:		
			5 min	10 min	15 min
0.5%	6.00	None	≥ 4.5	≥ 4.5	≥ 4.5
0.5%	6.12	0.2% BSA	≥ 4.62	≥ 4.62	≥ 4.62
0.5%	6.00	10.0% FCS	≥ 4.5	≥ 4.5	≥ 4.5

Figure 1: Virus – inactivating properties of Sanisafe 4C



Efficacy – Conclusion

All three existing surrogate viruses used as reference for all enveloped viruses have been tested on our SANISAFE 4C

- BVDV (Bovine Viral Diarrhoea Virus)
- VACV (Vaccinia Virus, Elstree Strain, also known as Lister)
- VACV (Vaccinia Virus, MVA Strain, also known as modified Vaccinia Ankara)

As shown in the tables above, Elstree strain is a little more difficult to inactivate than MVA strain and on the same level as BVDV. All 3 efficacy test based on European Norms demonstrated full efficacy against enveloped viruses.

SANISAFE 4C, with a contact time of 5 and 15 minutes inactivates all three viruses

SANISAFE 4C is suitable to combat the Coronavirus (incl. 2019-nCoV, SARS- and MERS-CoV)