



PROTECTUS VIRIDIS vs MONKEYPOX

Summary of Virucidal Activity:

According to ECHA’s Guidance on the Biocidal Products Regulation, Assessment and Evaluation of Efficacy (in accordance with EN 14885 guidance document), the virucidal activity of a disinfectant must be assessed and pass the EN 14476. The European Standard specifies that a disinfectant that pass EN 14476 against Vaccinia Virus is deemed to be effective against all enveloped viruses.

Virucidal Activity of Protectus Viridis

Protectus Viridis has been tested against a myriad of pathogenic viruses according to EN 14476 including enveloped viruses such as Vaccinia virus, H1N1, Herpes virus; non-enveloped viruses such as Norovirus.

Vaccinia Virus and Monkeypox Virus

Vaccinia virus and Monkeypox virus both belong to the family Poxviridae, within the realm of Viridnaviria. Viruses that fall under this classification have double-stranded DNA and uses vertebrates, including mammals and humans as natural hosts.

Classification / Characters	Vaccinia Virus	Monkeypox Virus
Realm	<i>Varidnaviria</i>	<i>Varidnaviria</i>
Kingdom	<i>Bamfordvirae</i>	<i>Bamfordvirae</i>
Class	<i>Pokkesviricetes</i>	<i>Pokkesviricetes</i>
Order	<i>Chitovirales</i>	<i>Chitovirales</i>
Family	<i>Poxviridae</i>	<i>Poxviridae</i>
Genus	<i>Orthopoxvirus</i>	<i>Orthopoxvirus</i>
Species	<i>Vaccinia virus</i>	<i>Monkeypox virus</i>
DNA genome	Double-stranded	Double-stranded
Capsid	Non-enveloped	Non-enveloped
Capsid symmetry	Isohedral	Isohedral

Conclusion:

Vaccinia virus and Monkeypox virus share the same Realm and Family, indicating their structural and genetic similarities. Both viruses also cause similar diseases, spreading in a similar way and thriving within similar environments. Based on these information, it is our opinion that Protectus Viridis will be effective in reducing the spread of Monkeypox virus within the environment.