Summary: Virus-inactivating properties (virucidal activity against enveloped viruses) of Oxivir Excel Tränklösung of Bernet Textilpflege AG according to EN 14476:2013+A2:2019 under dirty conditions

This summary is based on the following test report of Dr. Brill + Partner GmbH for the surface disinfectant Oxivir Excel Tränklösung produced by Bernet Textilpflege AG:

modified vaccinia virus Ankara test report (L20/1917MV.1) dating 17/03/2021

The following concentration and exposure time are necessary for the inactivation of the test virus:

undiluted 30 seconds

in order to achieve a 4 log sub 10 reduction (inactivation \( \geq 99.99 \%\)) under dirty conditions in a quantitative suspension test according to EN 14476:2013+A2:2019.

After evaluation with modified vaccinia virus Ankara the surface disinfectant Oxivir Excel Tränklösung can be declared as having “virucidal activity against all enveloped viruses” according to EN 14476:2013+A2:2019.

The declaration “virucidal activity against all enveloped viruses” covers all enveloped viruses (Annex A) like HBV, HCV, HIV as well as members of other virus families such as orthomyxoviridae (incl. all human influenza viruses), coronaviridae (like MERS-CoV, SARS-CoV-1 and SARS-CoV-2) and filoviridae including Ebola virus.

Dr. Jochen Steinmann
Extract from Annex A in EN 14476
Examples of viruses which may contaminate human medical instruments, hands, surfaces (Enveloped viruses)

NOTE This list is not exhaustive.

Blood
Filoviridae
Flavivirus
Herpesviridae
Hepatitis B virus (HBV)
Hepatitis C virus (HCV)
Hepatitis Delta virus (HDV)
Human Immunodeficiency Virus (HIV)
Human T Cell Leukemia Virus (HTLV)

Respiratory tract
Coronavirus
Herpesviridae
Influenza Virus
Paramyxoviridae
Rubella Virus

Neural tissue, ear & nose, eye
Herpesviridae
Measles Virus
Rubella Virus

Gastro-intestinal
Coronavirus

Skin, breast and/or milk
Herpesviridae
Human Immunodeficiency Virus (HIV)
Hepatitis C Virus (HCV)
Hepatitis Delta Virus (HDV)
Human Immunodeficiency Virus (HIV)
Human T Cell Leukemia Virus (HTLV)

Spleen and lymph nodes (see also „Blood“)

Human T Cell Leukemia Virus (HTLV)
Human Immunodeficiency Virus (HIV)

Dental procedure
Herpesviridae
Hepatitis B virus (HBV)
Hepatitis C Virus (HCV)
Hepatitis Delta Virus (HDV)
Human Immunodeficiency Virus (HIV)

Urogenital tract
Hepatitis B Virus (HBV)
Herpesviridae
Human Immunodeficiency Virus (HIV)

Reference:
Van Regenmortel Mhv et al., Eds.: Virus Taxonomy, Classification and Nomenclature of Viruses, seventh report of the international committee on taxonomy of viruses.
Academic Press, San Diego, 2000