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Summary: Virus-inactivating properties (limited spectrum virucidal activity) of NERTA OMNIKYLL of Advanced Precision Laboratories BVBA according to 14476:2013+A1:2015/prA2:2016 under dirty conditions

This summary is based on the following test reports of Dr. Brill + Partner GmbH for the surface disinfectant NERTA OMNIKYLL produced by Advanced Precision Laboratories BVBA:

adenovirus type 5 test report (L18/0256A.2) dating 02/07/2018
murine norovirus test report (L18/0256M.2) dating 04/06/2018

The following concentration and exposure time is necessary for the inactivation of the two test viruses:

0.5 % 5 minutes

in order to achieve a 4 $\log_{10}$ reduction (inactivation ≥ 99.99 %) under dirty conditions in a quantitative suspension test according to 14476:2013+A1:2015/prA2:2016.

After evaluation with adenovirus type 5 and MNV the surface disinfectant NERTA OMNIKYLL can be declared as having "**limited spectrum virucidal activity**" according to 14476:2013+A1:2015/prA2:2016.

The test for limited spectrum virucidal activity will cover all enveloped viruses (Annex A) like HBV, HCV, HIV and Ebola virus and the specified test organisms.

Dr. Jochen Steinmann

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From Annex A in EN 14476
Examples of viruses which may contaminate human medical instruments, surfaces, surfaces (*Enveloped viruses are in bold*)

NOTE This list is not exhaustive.

Blood

Enterovirus
Filoviridae
Flavivirus
Herpesviridae
Hepatitis A Virus (HAV)
Hepatitis B virus (HBV)
Hepatitis C virus (HCV)
Hepatitis Delta virus (HDV)
Human Immunodeficiency Virus (HIV)
Human T Cell Leukemia Virus (HTLV)
Parvovirus B 19

Respiratory tract

Adenovirus (Mast-)
Coronavirus
Enterovirus
Herpesviridae
Influenza Virus
Paramyxoviridae
Rhinovirus
Rubella Virus

Neural tissue, ear & nose, eye

Adenovirus (Mast-)
Enterovirus
Herpesviridae
Measles Virus
Human Immunodeficiency Virus (HIV)
Polyomavirus
Rabies Virus
Rubella Virus

Gastro-intestinal

Adenovirus (Mast-)
Caliciviridae
Coronavirus
Astrovirus
Enterovirus
Hepatitis A Virus (HAV)
Hepatitis E Virus (HEV)
Rotavirus

Skin, breast and/or milk

Enterovirus
Herpesviridae
Human Immunodeficiency Virus (HIV)
Human T Cell Leukemia Virus (HTLV)
Papillomavirus
Poxviridae

Spleen and lymph nodes (see also „Blood")

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

Dental procedure

Adenovirus (Mast-)
Enterovirus
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)
Human T Cell Leukemia Virus (HTLV)
Papillomavirus
Polyomavirus

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