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Summary: Virus-inactivating properties (virucidal activity against enveloped viruses) of desderman care of Schülke & Mayr GmbH according to EN 14476:2013+A1:2015 under clean conditions

This summary is based on the following test report of Dr. Brill + Partner GmbH for the hand disinfectant desderman care produced by Schülke & Mayr GmbH:

modified vaccinia virus Ankara test report (L19/0388MV.1) dating 14/06/2019

The following concentration and exposure time are necessary for the inactivation of the test virus (1):

undiluted 15 seconds

in order to achieve a 4 log₁₀ reduction (inactivation ≥ 99.99 %) under clean conditions in a quantitative suspension test according to EN 14476:2013+A1:2015.

After evaluation with modified vaccinia virus Ankara the hand disinfectant desderman care can be declared as having **“virucidal activity against all enveloped viruses”** according to EN 14476:2013+A1:2015.

The declaration **“virucidal activity against all enveloped viruses”** covers all enveloped viruses (Annex A) like HBV, HCV, HIV and Ebola virus.

Dr. Jochen Steinmann



Summary desderman care – virucidal activity against all enveloped viruses – EN 14476 Version 01

1. For hygienic hand disinfection 30 seconds are recommended by KRINKO (Kommission für Krankenhaushygiene und Infektionsprävention (KRINKO) beim Robert Koch-Institut (RKI): Handhygiene in Einrichtungen des Gesundheitswesens. Bundesgesundheitsbl 2016; 59: 1189–1220.)

From Annex A in EN 14476

Examples of viruses which may contaminate human medical instruments, hands, 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