

Product Bulletin

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Date: **October 3, 2014**

RE: **MEDIVATORS® High-Level Disinfectants efficacy against Ebola Virus**

We have received several customer calls on Ebola virus and whether MEDIVATORS high-level disinfectants are efficacious against this enveloped virus. MEDIVATORS® RAPICIDE® glutaraldehyde, RAPICIDE® OPA/28 ortho-phthalaldehyde and RAPICIDE® PA peracetic acid will adequately inactivate this virus when used according to label claims.

Ebola virus is a severe, often fatal illness in humans that is transmitted through direct contact with blood or body fluids/substances of an infected person with symptoms or through exposure to objects contaminated with infected blood or body fluids/substances. The Center for Disease control released a guidance document in August 2014 outlining environmental infection control measures for Ebola virus. The guidance document recognizes that no products have a direct claim against Ebola virus, and takes the stance that a product with a non-enveloped virus claim is sufficient for inactivating Ebola virus.

MEDIVATORS High-Level Disinfectants including RAPICIDE glutaraldehyde, RAPICIDE OPA/28 and RAPICIDE PA have been classified as a High-Level Disinfectant by the US Food and Drug Administration. This means all MEDIVATORS High-Level Disinfectant products are capable of inactivating all microorganisms; the only exception is high levels of bacterial endospores. Confirmatory checks by outside laboratories are performed on MEDIVATORS HLDs to show that inactivation happens with mycobacteria, viruses, fungi and vegetative bacteria. Viral testing was performed on poliovirus, which is a non-enveloped member of the family Picornaviridae. According to the Decreasing order of resistance of microorganisms to germicidal chemicals chart in Regulatory Framework for Disinfectants and Sterilants, non-enveloped viruses are much harder for germicides to inactivate than enveloped viruses. Ebola virus is an enveloped virus from the family Filoviridae and is an easier challenge than poliovirus. According to the FDA definition of a high-level disinfectant, MEDIVATORS High-Level Disinfectants including RAPICIDE glutaraldehyde, RAPICIDE OPA/28 and RAPICIDE PA will inactivate Ebola virus when used according to the manufacturers label claims.

If you have any questions regarding this product bulletin, please contact the Customer Support group at 1-800-444-4729.

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Medivators Inc.
14605 28th Avenue North
Minneapolis, MN
55447-4822 USA
Tel: +1.800.444.4729
Fax: +763.553.3387

Medivators BV
Sourethweg 11
6422PC Heerlen
The Netherlands
Tel: +31.45.5.471.471
Fax: +31.45.5.429.595

Cantel Medical Asia/Pacific Pte. Ltd.
1 A International Business Park
#05-01 Singapore 609933
Tel: +65.6227.9698
Fax: +65.6225.6848

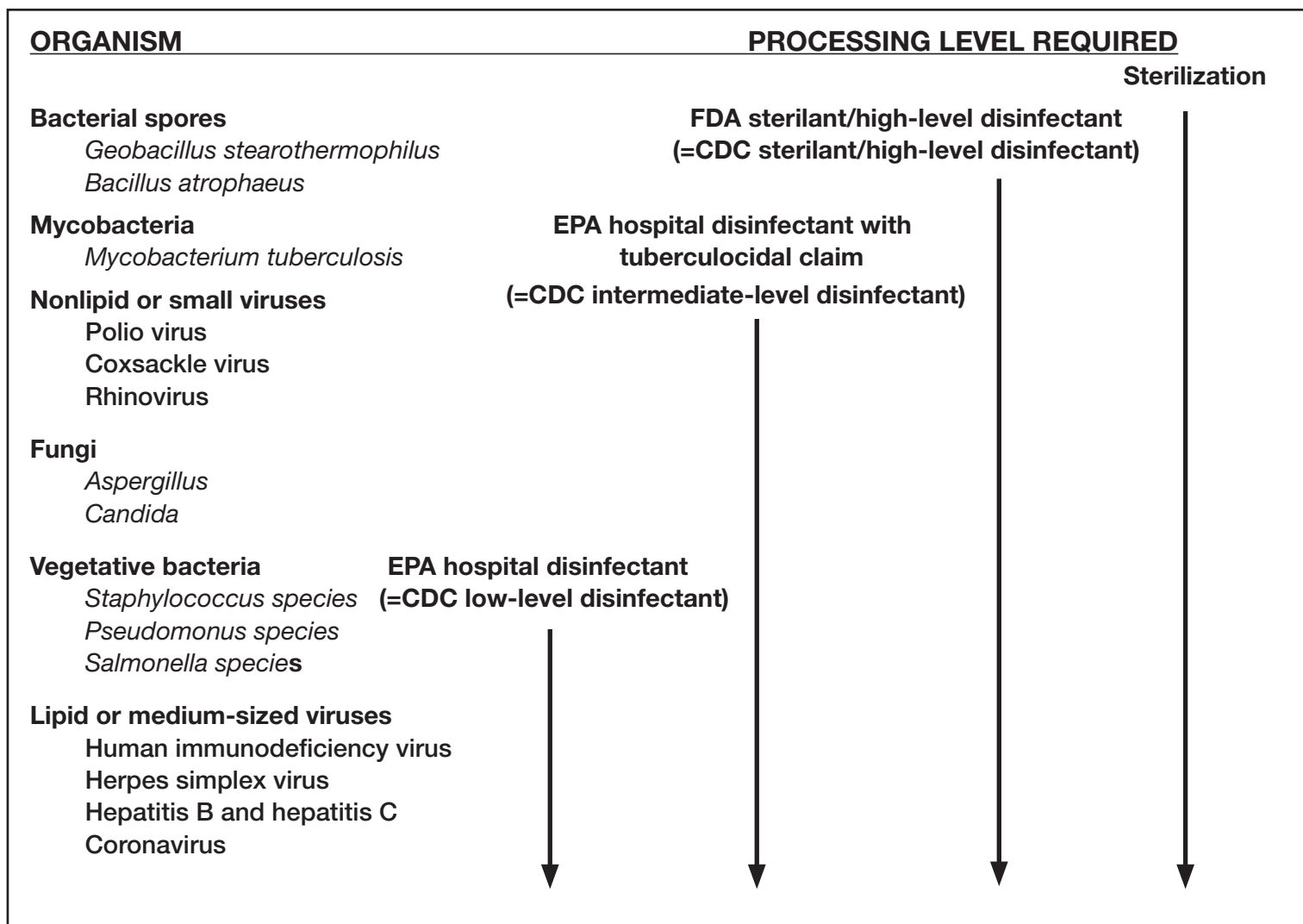
Medivators Inc. Beijing Representative Office
Room 1801, Floor 18th, Tower A,
Beijing Marriott Hotel, Office Building
No. 7, Jianguomen South Avenue,
Dongcheng District, Beijing 100005 China
Tel: +86 10 65204039

www.medivators.com

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FIGURE. Decreasing order of resistance of microorganisms to germicidal chemicals



Source: Adapted from Bond WW, Ott BJ, Franke K, McCracken JE, Effective use of liquid chemical germicides on medical devices; instrument design problems. In: Block SS, ed. Disinfection, sterilization and preservation. 4th ed. Philadelphia, PA: Lea & Gebiger, 1991:1100.

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Guideline for the Use of High-Level Disinfectants and Sterilants for Reprocessing of Flexible Gastrointestinal Endoscopes. Society of Gastroenterology Nurses and Associates. First edition 1998. Revised 2003.