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Efficacy of Actril® Cold Sterilant

The diagram to the right provides a list of microbes and viruses in order of resistance to death, from the least to most resistant. Considering its success against bacillus subtilis and clostridium sporogenes, Actril® Cold Sterilant is capable of killing endospores, which are a dormant, tough, non-reproductive structure produced by a small number of bacteria from the Firmicute family that are found in various environments and include some notable pathogens. With its ability to kill a microorganism that is generally recognized as being the most resistant to death, there should be no surprise that Actril® Cold Sterilant has been relied on by pharmaceutical cleanrooms and other critical infection prevention areas for over 20 years.

References:

Cornell University, College of Agriculture and Life Sciences, Department of Microbiology. Bacterial Endospores. Retrieved from https://micro.cornell.edu/research/epulopiscium/ bacterial-endospores.

Sandle, T. (2010, September 15). Choosing Disinfectants. Cleanroom Technology. Retrieved from http://www.cleanroomtechnology.com/technical/article_ page/Choosing_disinfectants/55594.

Most Resistant

Bacterial Endospores

Mycobacteria

Fungal Spores

Small Non-Enveloped Viruses

Vegetative Fungal Cells

Enveloped Viruses

Vegetative Bacteria

Least Resistant

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