

Sanosil International
Life Sciences Case Study
*Penn State Hershey
College of Medicine
Hershey, PA*

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Evaluation and Adoption of Hydrogen Peroxide Based Disinfectant for Research Laboratory Applications

Summary

In the Spring of 2013, the Penn State Hershey College of Medicine evaluated and selected Sanosil International's Halo Disinfection System for eliminating mold growth issues in their cancer research laboratory.

Background

Penn State Hershey College of Medicine performs cutting edge cancer research and drug discovery in their Hershey campus laboratories. The laboratory has historically encountered issues with mold growth on their cell culture incubator, which would eventually end up contaminating the culture plates. In order to clean and disinfect the equipment, personnel would have to disassemble the equipment, clean and autoclave the shelves, and wipe all of the shelves and walls with ethanol. Within a month, the incubator environment was growing mold again requiring the cleaning and disinfection process to be repeated.

PSHCM staff tested Sanosil Disinfectant for approximately 2 months decontaminating their incubator equipment.

Results

After the 2-month evaluation was completed, PSHCM staff reported no mold growth issues within their cell culture incubator. The staff was so pleased with the performance of the Sanosil Disinfectant, the product will also be used to flush out and disinfect the laboratory water bath and water lines.



Disinfectants with a Clean Agenda™

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Conclusion

Penn State Hershey College of Medicine will continue to use the Halo Disinfection System in conjunction with comprehensive cleaning, in both the cell culture incubator and in the water bath, to eliminate and prevent any mold issues in the cancer research laboratory. In addition to more effective disinfection of the stainless equipment and treatment of the water, incorporating Sanosil into their disinfecting procedures will eliminate the need for ineffective and more time consuming and labor intensive processes. The ready-to-use, odorless, non-corrosive and no-wipe formulation will also help PSHCM preserve their stainless steel capital investments.

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