

Life Sciences Decontamination Solutions

AeroClave is the world's foremost producer of large-scale decontamination equipment. Our primary mission is to combat the spread of infectious diseases.



The AeroClave Solution is a combination of energized Hydrogen Peroxide (eHP™) and Destroyer™ technologies that yield a full-spectrum 6-log sterilization in approximately one hour.

AeroClave has developed a family of comprehensive, cost-effective and environmentally safe solutions to sterilize assets of all sizes. All AeroClave solutions provide a full-spectrum kill that have been validated with the same FDA-approved process used to certify the cleanliness of pharmaceutical manufacturing facilities. The process has a low cost-per-cycle and is controlled through an easy-to-use computer interface. It is safe for all sensitive electronic equipment and can be used for the rapid and thorough decontamination of ambulances, police vehicles, buses, aircraft, hospitals, doctors' offices, nursing homes, schools, athletic training facilities and other buildings from a single room to the entire building. The operator training cycle is short and the equipment is easily serviced.

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Organizations dedicated to research and development in the area of Life Sciences have unique decontamination needs that can be solved through AeroClave technology. Infection prevention and laboratory management professionals have been searching for comprehensive, proactive and reactive solutions to combat the spread of pathogens and other contaminants that infect animal research, pharmaceutical and other scientific research facilities.

Laboratory Contamination Issues

These decontamination challenges can range from simple yeast contaminations to the management of accidental spillage of extremely hazardous microorganisms. In the pharmaceutical environment, for example, microbial contamination can cause problems including halting production lines, hindering drug discovery and causing potential health hazards to employees. These interruptions can be costly, resulting in lost revenue and unacceptable delays in research and production schedules.

AeroClave's Room Decontamination System (RDS) is a powerful weapon to combat the costly problems associated with laboratory and production facility contamination. It can quickly sterilize animal housing, drug production, and research rooms without harming expensive laboratory equipment. A new feature, the AeroClave Portable Applicator (APA), allows the RDS to sterilize frequently touched surfaces and other, smaller areas needing immediate sterilization. The RDS uses a low concentration energized Hydrogen Peroxide (eHP™) process that

rapidly and cost-effectively provides a full-spectrum 6-log sterilization. Low total cost of ownership and ease of operation make AeroClave equipment the most logical and cost-effective choice to combat laboratory pathogens at every level of the Life Sciences continuum.



AeroClave Life Sciences Solutions/Benefits

- Full-spectrum 6-log sterilization in approximately one hour
- Increase cleaning effectiveness while lowering labor costs
- Decrease risk of spread of harmful laboratory contaminants
- Each sterilization cycle validated using biologic indicators
- Extensive reporting for management and quality assurance
- Eliminates need for total shutdown of HVAC during sterilization process and allows immediate access to rooms upon cycle completion
- Short sterilization cycle times eliminate lost productivity and research downtime
- Excellent portability and ease of use
- Protects the health of laboratory personnel and research animals

 **Biodefense for the 21st century.**

