

# Room & Equipment Decontamination Services For Pharma and Biotech Manufacturing



## Services:

- › Routine maintenance
- › Emergency response
- › Commissioning & decommissioning



Pharmaceutical and biotechnology manufacturers must minimize the risk of product contamination from environmental microorganisms. Additionally, cross-contamination between experiments during R&D efforts can be equally devastating to the cost, development and manufacture of a product. Utilizing our ionized Hydrogen Peroxide (iHP®) technology, SixLog provides room and equipment decontamination services for the elimination of environmental contamination sources. Our technology delivers a pathogen-free environment through the six log reduction of biological organisms, including viruses, bacteria, fungi/mold, and microbial spores. SixLog's service can be performed for various applications including production areas, research/lab areas, vivariums, equipment and more.

### iHP® Technology

A proprietary liquid solution composed of 7.5% hydrogen peroxide is forced through a nozzle, creating a mist, which is then passed through a 17,000 volt arc that quickly disperses throughout the space, killing all airborne and surface microorganisms on contact. The process of ionizing the hydrogen peroxide delivers two key benefits:

- **Rapid and uniform distribution of hydrogen peroxide mist throughout the entire space** - The electrostatic charge imparted on the hydrogen peroxide mist causes it to act like a gas due to the mutually repulsive, positively charged particles. In addition, the positively charged particles are attracted to the negatively charged surfaces in the space, including cracks, crevices and hard-to-reach areas.
- **Produces multiple antimicrobials** - The disassociation of the liquid solution produces hydroxyl radicals, ROS, O<sub>3</sub>, RNS, Plasma, UV and heat activation providing synergistic effects of multiple antimicrobials.

› Features	› Benefits
Cost-effective	Contamination risk reduction and prevention as well as protection of product integrity with minimal investment
Superior efficacy	Contaminant-free, indoor environment
Fast cycle times	Minimized operating downtime and interface
Rapid response and flexible scheduling	Accommodate routine and emergency outbreaks anywhere and anytime
Excellent materials compatibility	No need to remove electronics and equipment in space while iHP® process is performed
Environmentally-friendly	iHP® process breaks down into just oxygen and water making it safe for staff and the environment