



The Complete Bioreactor Preparation Solution

Multi-Use Bioreactor Washing and Sterilization

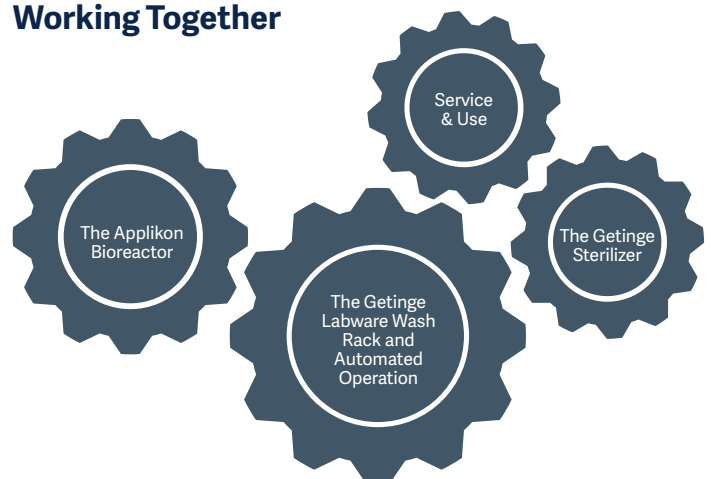
The reproducibility of your work relies on a properly cleaned and sterilized bioreactor. Getinge's holistic approach to cleaning and sterilization of multi-use bioreactors ensures efficacy and repeatability.

Step 1: Automated washing using the purpose-built bioreactor wash rack sets the foundation for a highly reproducible system.

Step 2: Getinge's integrated sterilization process allows three different types of loads in one cycle with ensured steam penetration into all components for improved quality assurance.

Together, the Getinge complete solution confirms accurate, repeatable results in less time with less labor so you can get back to what matters – your work.

Working Together



Holistic Multi-Use Bioreactor Cleaning and Sterilization

From biopharmaceutical research to production – Getinge makes bioreactor selection, decontamination, and sterilization easy.



Getinge Bioreactor Systems

The multi-use bioreactor (Applikon) is used in academic, government and biopharmaceutical laboratories for benchtop research.

- Glass autoclavable bioreactors and fermenters are available in 2, 3, 5, 7, 15, and 20L (0.5gal to 5gal) total volume.



Getinge Lancer Ultima Laboratory Washers

The Getinge Lancer Ultima series includes undercounter and freestanding models that offer a wide range of labware loading options depending on the research being made.

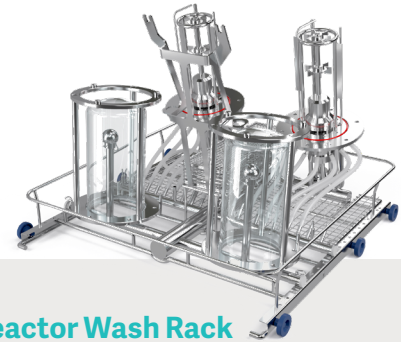
- Programmable labware washer establishes a highly reproducible system, reduces labor, increases throughput and minimizes downtime.
- Getinge Lancer Ultima Series models are available in sizes ranging from 140L to 500L (4.9 cu.ft. to 17.7 cu.ft.).



Getinge Laboratory Sterilizers

Getinge GSS L/-R and Getinge Lancer LSS Sterilizers offer the simplest solution to assured sterilization for reproducibility and quality assurance.

- Accommodates three different types of loads, hard goods, tubing and liquid, in one cycle while removing all ambient air using a single pre-vacuum and multi-pulsed steam pressure.
- Getinge Laboratory Sterilizers includes models in sizes ranging from 130L to 1000L (4.6 cu.ft. to 35.3 cu.ft.).



Getinge Bioreactor Wash Rack

When Getinge washers include the Getinge specialty wash rack, the Applikon multi-use bioreactor can be partially or fully disassembled before washing.

- The design features an injector system to clean ports on the bioreactor headplate.
- Pre-validated cleaning performance ensures accurate and repeatable results.

Read our bioreactor washing white paper¹ or view our application brief on bioreactor sterilization best practices² for more information on the bioreactor preparation solution.

For product information, visit [getinge.com](https://www.getinge.com).

¹ Getinge White Paper: LS3255- Bioreactor Preparation Solutions - specialty wash rack assures validated cleaning in advance of sterilization.

² Getinge Application Brief: LS 3260 -Best Practices for Multi-use Bioreactor Sterilization