Biostat STR® Generation 3 and Biobrain® Automation Platform

Process Development

Simplifying Progress
Engineered for Seamless Scalability

The Biostat STR® Generation 3 single-use bioreactor system with a working volume of 12.5L to 2,000L is designed for rapid process development and seamless scaling to commercial manufacturing. It is powered by Biobrain®, the new automation platform, a data-driven software, and a comprehensive suite of analytical tools.

Meet critical project timelines by quickly building a scalable process around your molecule.

Realize Rapid Development and Seamless Scalability

The Biostat STR® system has a fully configurable control tower with an advanced user interface and improved connectivity. One control tower can be used interchangeably with any bag holder size. The organizational racks for pumps and balances together with cable and tubing organizers plus a document tray makes bioreactor operation more streamlined.

The Flexsafe STR® bags are designed with multiple sparger and impeller options on a magnetically coupled center-line shaft that delivers homogenous mixtures quickly, even at high volumes and low mixing speeds. Biostat STR® supports connection to Repligen’s XCe™ ATF cell retention devices to increase the cell density and productivity and enables process intensification.

The geometric similarity of Sartorius’ stirred tank bioreactor portfolio allows seamless scalability and rapid acceleration of your development process. The Sartorius scaling tool accurately predicts conditions required to scale your process by considering scales, process parameters, and process constraints to identify the exact requirements to achieve your goals.

Our technical support team can assist you with standard operating procedure (SOP) conversion from your existing scale or technology.

The result is:
• Fewer engineering runs to optimize your scale-up process
• Rapid advancement to clinical trials and commercialization
• Lower material costs

Maximize Quality, Consistency, and Productivity

Gain an in-depth understanding and precise control of your process. The sensors, software, and advanced analytics in the BioPAT® toolbox help ensure the purity, quality, safety, and batch-to-batch consistency of your product.
Biostat STR® Generation 3 Configurations

Our process development solutions have been predesigned into three configurations with flexible options and easy upgrades. Select the configuration that best fits your current needs and you can conveniently adapt for any future requirements.

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