

# BioCell™ Series Bioreactors



From designing new systems to duplicating or expanding systems, we have the expertise to build your next bioreactor to your exact specifications. Our BioCell sterilizable-in-place bioreactors are the best pre-engineered cell culture devices suitable for cultivating either suspended or attached cells in batch, fed-batch, or perfusion mode (with appropriate accessories). If you need solutions beyond our standard bioreactor selections, we'll work with you to develop a custom solution for your specifications.

## Experience and Innovation

Open frame units come pre-mounted and pre-wired for easy installation and maintenance. Both BioCell models come with patented HTPG4™ impellers to maximize thermal and oxygen transfer and minimize shear force. The intuitive and user-friendly Neptune™ control system complies with cGAMP Revision 4, 21 CFR Part 11 and S88 standards (batch module). Software package options are available for process optimization/fermentation research or production.





## BioCell Laboratory Series Bioreactors (10 L to 30 L)

The smaller BioCell Laboratory series is excellent for optimization of your batch, fed-batch, or continuous cell culture processes using suspended cells or micro-carriers. It's designed to meet all your needs for cGMP-validated applications.

## BioCell Pilot Series Bioreactors (60 L to 300 L)

The larger BioCell Pilot Series SIP/CIP bioreactors are designed to optimize your batch, fed-batch, or continuous cell culture processes using suspended cells or micro-carriers. They are engineered for optimization studies and scale-up and production runs in GLP or GMP environments.

## Quality Testing and Configuration

Every BioCell system goes through rigorous validation and project planning procedures to make sure you receive the finest quality for consistent results. We thoroughly test each unit and provide material and component traceability with 100% endoscopic control of welds. We also provide a detailed and comprehensive documentation package to support validation.

## Control Retrofits and Vessel Upgrades

Improve your throughput and increase your efficiency with advanced controller and vessel upgrades from DCI-Biolafitte. From University to cGMP validated systems, our experts will assess your automation, vessel, and skid needs—then recommend ways you can improve your equipment performance regardless of the original manufacturer.

Our eight-step process begins with an initial system review, where we determine available options for updating your control systems. We also modify, refinish, or repair vessels to adapt to your changing workflow. We can construct new skids, rejuvenate your existing skid, or convert a skid to a mobile design for changing research and development needs. Systems are typically reconditioned at our facility for full access to machining equipment and always tested before final installation to ensure peak performance.

