



# Biopharm

**Parenterals**

**Vaccines**

**Monoclonal  
Antibodies**

**Viral Vectors**

**Therapeutic Proteins**



## OVERVIEW

DME Alliance Incorporated specializes in engineering and consulting services for new and existing GMP manufacturing facilities, biologics pilot plants and PD/R&D operations. Our core capabilities in bioprocess-mechanical engineering, equipment design and compliance provide a unique mix of experience and expertise to support key technology-intensive projects in the biopharmaceutical industry. We provide services to support bioprocess technology development & implementation, bioprocess equipment design & remediation, equipment commissioning & validation, GMP facility design, biopharm plant maintenance, and project/program management.

## BIOPROCESS TECHNOLOGY

DME Alliance offers expertise in bioprocess systems and clean utilities for GMP biologics manufacturing facilities. We have extensive engineering experience in the design of primary biologics unit operations, including those required for buffer/media preparation, fermentation/cell culture, product recovery, purification, formulation, fill/finish and manufacturing support processes. Our formula for success relies upon an in-house knowledge base in the technologies required for aseptic processing, equipment cleaning, sterilization, biohazard containment, bioprocessing disposables technology, GMP compliance, contamination control and facility/equipment design.

## SUMMARY OF SERVICES

*Bioprocess Consulting \* Feasibility Studies \* Scale-up \*  
Master Planning \* Technology Transfer \* Concept \*  
Facility Programming \* Plant Design \* Peer Review \*  
Process Mechanical Design \* Instrumentation & Controls  
\* Equipment Design \* Automation \* CIP/SIP Design \*  
CAD \* Project Management \* Project Controls \*  
Procurement \* Vendor Surveillance \* Commissioning \*  
Startup \* Validation \* Risk Assessment \* Gap Analysis\*  
Troubleshooting \* Process Remediation \* Maintenance*