

• SEATTLE
• LONGMONT
• BOULDER

COPENHAGEN •

• HEIDELBERG

• MILAN

CHIBA
YOKOHAMA

Modalities at this site: **Mammalian**



BOULDER FACILITY

A Large-Scale Commercial Manufacturing Hub

Our AGC Biologics Boulder site offers a significantly larger production for mammalian-based projects. With our core teams of scientists having **25+ years of experience** in development and manufacturing, we can work with virtually any process, method, or molecule. The Boulder site has experience with multiple mammalian cell types and expression systems.

Mammalian Production Systems

Boulder houses two 20,000 L stainless steel cell bioreactors. The large-volume bioreactors processed under high levels of automation make it well suited for **cost-effective cGMP commercial production** for high-titer processes.





Process Development Services

- Our expertise in process development and tech transfer enables us to move projects seamlessly into cGMP manufacturing
- High-throughput technologies for process development emphasize characterization, optimization, manufacturability and the robustness of the product yields
- Upstream capabilities that include cultibag bioreactor technology, seed bioreactors up to 2,500 L (stainless steel), and two large stainless steel production bioreactors
- Recovery services that include disc-stack centrifugation, multi-round depth filtration and UF filtration
- Downstream services with large and small chromatography systems, virus inactivation, virus filtration, post-virus chromatography, formulation and BSC and closed filling (bags and bottles)

Large-Scale Commercial Manufacturing

- 2 x 20,000 L stainless steel production bioreactors (17,000 L working volume) with effective size and automation for high-volume commercial production and high-titer antibody processes
- Designed for large-scale drug substance production (up to 10 g/l)
- Large scale volume and high titers mean great cost savings
- 178,000 sq ft. facility
- Expansion capabilities for 4 more 20,000 L for a total of 6 bioreactors
- Manufacturing success rates that exceed industry standards globally

Globally Aligned Quality Systems

- Thorough documentation, policies, procedures
- Site-specific processes, specifications, and records
- Backed by a network of seven sites with decades of biologics expertise sharing best practices to meet clinical and commercial requirements
- Regulatory approval expertise

Opportunities for Expansion to Meet Project Needs

- Expansion capabilities for 4 more 20,000 L for a total of 6 tanks
- Room for two additional downstream lines
- Utilities already configured to support the expansion

