

PROCESS DEVELOPMENT

Strategic process development lays the foundation for first-time right GMP production

Center for Breakthrough Medicines (CBM) is an advanced therapy CDMO dedicated to delivering life-changing treatments with our customers for the patients that need them. Our process development team has deep experience in building and optimizing processes for vectors and cell therapies for seamless transfer in to GMP manufacturing. The importance of robust process development cannot be overstated – the process is the product. Our strategic approach lays the foundation for your project's success by increasing yields, achieving product quality expectations, and lowering the cost of goods sold, while never compromising quality or clinical development milestones.

LARGE, INTEGRATED SINGLE-SITE



20+

Vector Mfg Suites



20+

Cell Therapy Mfg Suites



100+

Analytical Assays

VIRAL VECTOR PROCESS DEVELOPMENT

- Upstream – Suspension and Adherent
- Downstream - Filtration, Chromatography, and Ultracentrifugation
- Formulation and Drug Product
- Integrated Analytics

CELL THERAPY PROCESS DEVELOPMENT

- Autologous and Allogeneic
- Drug Substance across Multiple Platforms
- Formulations and Drug Product, Cryopreservation

THE CBM DIFFERENCE

Pilot Plant for Commercial Readiness

Our pilot plant operations support scale-up, scale-out, preclinical manufacturing, and enable tech transfer and GMP readiness by training for first-time right cGMP manufacturing.

Teams Across the Development Cycle

Our teams within process development, MSAT, Materials Science, Tech Transfer, and the Pilot Plant operate as a cohesive unit to ensure seamless program progression.

Development & Scale-up in Parallel

Our model allows development and scale-up to run in parallel, shortening tech transfer and ensuring the availability of critical materials with a robust approach to raw material management and the ability to negotiate and procure supplies earlier.

Partner-in-Plant Model

We offer unparalleled flexibility to work alongside our subject matter experts in development labs and during GMP operations in our manufacturing suites.

Expert Team & Partners

The CBM team has direct, hands-on experience bringing the first cell and gene therapies to market at top-tier innovators and CDMOs, and our academic partners are pioneers in the field.

Flexible Ways of Working

We are willing to put skin in the game with flexible capacity usage and milestone-based arrangements.