

PLASMID DNA PRODUCTION

Critical genetic foundation for advanced therapies

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 state-of-the-art manufacturing is integrated with all our services at a single site, run by a world-class team of scientists and industry experts.

Plasmid DNA is a critical raw material for advanced therapies and mRNA synthesis, and having access to a pure, high quality and reliable source of plasmids is critical to the success of our clients' programs.

Our integrated single site offers the ability to produce high quality plasmid DNA for every stage of development – R&D-Grade, GMP-Like, and GMP-Grade. Our expertise includes plasmid design, full process development including scale-up and tech transfer, and phase-appropriate testing and analytical services.

PLASMID DNA CAPABILITIES



20,000

sq.ft. Dedicated to Plasmid DNA Production



200 L

GMP Fermentation, Harvest & Purification



2L - 10L

Research-Grade Capacity

PLASMID DNA & OTHER NUCLEIC ACIDS

- R&D-Grade Plasmid
- GMP-Like Plasmid
- GMP-Grade Plasmid
- Long-Term Stability Programs
- Cell Banking

THE CBM DIFFERENCE

Single-Site CDMO

Our capabilities are co-located on a single campus for seamless hand-off between development, manufacturing, and testing.

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.

Purpose-Built GMP Manufacturing

End-to-end capabilities from process development through GMP drug substance manufacturing and drug product filling, supported by full testing capabilities.

In-House Analytical Methods

Our fully integrated facility offers on-site testing and analytics for potency, safety, and identity, in both drug substance and drug products, as well as characterization and stability testing.

Dedicated GMP-Like Capacity

Our facility houses dedicated laboratories for GMP-Like production of Plasmid DNA and nucleic acids, with a segregated cell banking room, three segregated upstream rooms, and one downstream room with closed processing.