

Make It Happen With Matica Bio



**Cell & Gene Therapy Manufacturing
from Development to Commercialization**

Mission

Through our passion & experience, we dedicate ourselves to the relentless pursuit of delivering on the promise of our clients' therapies — from idea to patient.

Vision

We strive to deliver innovative medicines as a trusted global leader in manufacturing lifesaving therapies.

Who We Are

Matica Biotechnology is a CDMO providing fully integrated cell and gene therapy development and manufacturing services. Matica Bio is redefining the industry standard for manufacturing with a purpose-built GMP facility equipped with advanced technologies, strategic collaboration with global partners with the global leaders in the field, and staff averaging over 15 years of GMP operational, quality, and regulatory experience.

Our experts will work as an extension of your team to successfully advance your product from concept to commercialization.

Experience of Our Experts

- >>> Averaging 15+ years of experience
- >>> > 300 vector projects completed
- >>> > 20 types of vectors produced
- >>> > 20 IND filings prepared
- >>> > 20 regulatory inspections



DEVELOPMENT

Make Your Idea a Reality.

Through an in-depth understanding of the unique bioprocessing operations required for advanced therapies, Matica Bio team will develop a customized, robust GMP manufacturing process for clinical and commercial supply.



CELL LINE DEVELOPMENT

Taking into consideration the critical parameters that can impact cell line performance, Matica Bio offers high-quality cell line development services for multiple types of cells, including HEK293, Vero, HeLa and sf9 cells. Our goal is to deliver improved process efficiency and higher titers to accelerate development and reduce costs.

- › Clonal Selection
- › Cell Culture Optimization
- › Media Screening and Selection
- › Adaptation to Serum-Free Growth
- › Cell Banking
- › Vector Development
- › Virus Banking



PROCESS DEVELOPMENT

Utilizing multi-parallel DOE studies, single-use technologies, and in-line process analytics we can rapidly advance your product to the clinic. Matica Bio's data-driven, system-based approach delivers manufacturing processes meeting the highest level of quality.

- › Upstream Process Development
- › Bioreactor Optimization
- › Downstream Process Development
- › Improved Product Profiles
- › Formulation
- › Streamlined Scale-Up and Transfer to GMP Production



ASSAY DEVELOPMENT

Analytical methods are employed to evaluate specific characteristics of material generated during processing, such as titer and potency. Matica Bio provides a wide range of assay development services. Whether you need feasibility testing, validation or anything in between, our experienced team will deliver on your specific needs with confidence.

- › Streamlined Method Transfer, Development and Optimization
- › Phase-Appropriate Validation
- › Raw Material Testing
- › Cell-Based Assay
- › Immunological Assay
- › Molecular Assays
- › Safety Testing
- › Residuals

 **Robust Processes and Methods**

GMP MANUFACTURING

Faster to Market Through Flexible Operations



Our state-of-the-art, modular, GMP compliant facility provides effective production of cell therapies, gene therapies, oncolytic viruses, vaccines and other precision medicines.

>>> Experienced and Reliable



GMP MANUFACTURING

Scalability and manufacturing efficiency are important to meet desired timeline and budgetary targets. Utilizing our single-use technologies and innovative manufacturing solutions, our experts will guide you through the drug development pathway to a successful outcome.

- > Diverse GMP Scales up to 500L
- > Batch and Perfusion
- > Microcarrier and Other Hybrid Manufacturing Platforms
- > Adherent & Suspension
- > Fill and Finish
- > QC Release Testing
- > ICH Stability Programs



OUR CAPABILITIES

GMP FACILITY

- > 50, 200, 500L Bioreactors
- > Depth Filtration
- > UF/DF
- > Tangential Flow Filtration
- > Affinity / Size Exclusion / Ion Exchange Chromatography
- > Sterile Filtration

ANALYTICS / QC

- > HPLC
- > qPCR, ddPCR
- > ELISA
- > Flow Cytometry (FACS)
- > Residual Impurities
- > Cell-Based Assays
- > Safety & Compendial Methods

WHEN BRINGING YOUR THERAPY TO
MARKET IS EVERYTHING

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