

Cell and Gene Therapy (CGT)

Mycenax offers one-stop CRDMO services covering a broad spectrum of Cell and Gene Therapy (CGT) product types. We are committed to delivering **360° CGT Total Solutions** that facilitate feasibility study, process development and GMP manufacturing, empowering our clients to expedite their CGT products to market through our state-of-the-art capabilities.

Druggability

- Candidate Screening
- Feasibility Study
- DoE Study

Scalable Manufacturing Platforms

- Immune Cells
- MSC
- Exosome

Quality Control & Analysis

- QbD Strategy
- CMC Management
- Expert Consulting Service

Cell Engineering Technology

- Viral Vectors
- Non-viral Transposon
- Single-cell Cloning of Engineered Cells

360°
CGT Total Solutions

Closed Automated Modular Workflow

- Flexible to Meet Customized Demand

Modalities	Details
Immune Cells	<ul style="list-style-type: none"> • Diverse cell types: $\alpha\beta$T, $\gamma\delta$T, NK, NK-92, and etc. • Engineered cells: CAR-T, CAR-NK • Engineered feeder cell line • Allogeneic Solutions: NKMX™ manufacturing platform
MSCs	<ul style="list-style-type: none"> • Various tissue sources: bone marrow, adipose tissue, umbilical cord and etc. • Engineered MSCs • 3D microcarrier-based bioreactor culture, scale up to 50L
Exosomes	<ul style="list-style-type: none"> • Cell line development of engineered exosome producing cells • 3D microcarrier-based bioreactor culture, scale up to 50L • Scalable TFF- and chromatography-based purification processes • Formulation development • Proprietary ExoMX™ manufacturing platform

Exosome Manufacturing Platform

Accelerate EV production with ExoMX™ Mycenax's scalable hMSC-based EV platform. Effortlessly transition from 2D batch to 3D fed-batch systems, ensuring a scalable and translation-ready workflow fulfill our development goals.

With 3D-boosting technology and streamlined bioreactor manufacturing capabilities ranging from 0.25L to 50L scale, we support applications from research to commercialization.

ExoMX™

Exosome Manufacturing Platform



Maximized Productivity

Scalable bioreactor process
Exosome production boosting by
3D culture technology



High Quality

Meet **MISEV2023** guideline with
versatile purification and
analytic tools



Expedited Service

Deliver **Made-to-Order** R&D
grade Exosome within 1 month



Made-to-Order Exosome Express Service

Customize in 5 steps. Receive in 1 month.

- ✓ Cell source
- ✓ Manufacturing scale
- ✓ Purification level
- ✓ Formulation
- ✓ Analytics



Ready-to-Ship Purified Exosome Standards

Positive Control for Your Exosome Analytics.

- ✓ High purity and quality
compliance with MISEV2023 guideline
- ✓ Lyophilized to maintain storage
stability
- ✓ Easy to ship and store (+4°C)
- ✓ Easy to reconstitute to use
- ✓ CD9 / CD63 / CD81/ Alix positive
exosomes

