

# ASSESSING PROCESS TRANSLATION & SCALABILITY FOR GMP MANUFACTURE

# THE CHALLENGE

An innovative cell therapy start-up required a feasibility study to translate its iPSC-based academic process into a GMP-ready clinical manufacturing strategy. Several non-translatable unit operations and an extended culture period posed significant scalability and regulatory hurdles. The client needed a cost-effective, efficient approach to ensure feasibility while maintaining product quality.

### **OUR APPROACH**

eXmoor Pharma worked closely with the client to assess and refine the process for GMP readiness, ensuring seamless technology transfer, process optimisation, and scalability:

- **Technology Transfer:** Documentation review, onsite training, and baseline process execution.
- **2D to 3D Translation:** Evaluated scalable culture platforms to replace small-scale, non-GMP vessels.
- GMP-Ready Assessment: Reviewed reagent and protocol compatibility, replacing unsuitable dissociation and cryopreservation steps.
- New Technologies: Demonstrated and assessed automated GMP-qualified alternatives to replace labour-intensive academic unit operations.

#### **DELIVERABLES**

- Road map for future technology transfer.
- Assessment and feasibility reports on key unit operations.
- > Comparability studies between research and GMP materials.
- Next step process development and CMC strategy.

## IMPACT

eXmoor Pharma provided a clear pathway to GMP manufacturing, ensuring process scalability and regulatory alignment. Product quality and yield were optimised, demonstrating the impact of a collaborative approach between the client's process expertise and eXmoor Pharma's development capabilities.

# EXMOOR PHARMA AT A GLANCE



**Philosophy:** With a focus on the entire journey from bench to market, we streamline and de-risk projects to maximise product success.



**Capability:** A full-service partner delivering high-value solutions for better, faster, and cost-effective outcomes.



**Trust:** Building lasting relationships through trust, transparency, and respect.



**Collaboration:** An open partnership that complements and enhances your capabilities.



**Experience:** Over 20 years of expertise, supporting 150+ clients from discovery to patient delivery across diverse programs.

eXmoor worked closely with our process development team to support our iPSC program as we successfully advanced from a very early stage to preclinical stage.

eXmoor ensured a smooth tech transfer from our laboratories, helping to characterise the product, and support shaping the initial process development. Their expertise and collaborative approach made a real difference in working alongside our team, to address our unique scientific challenges."

Gabriella Rolli
CTO, Regenerative Medicine, Tenpoint

