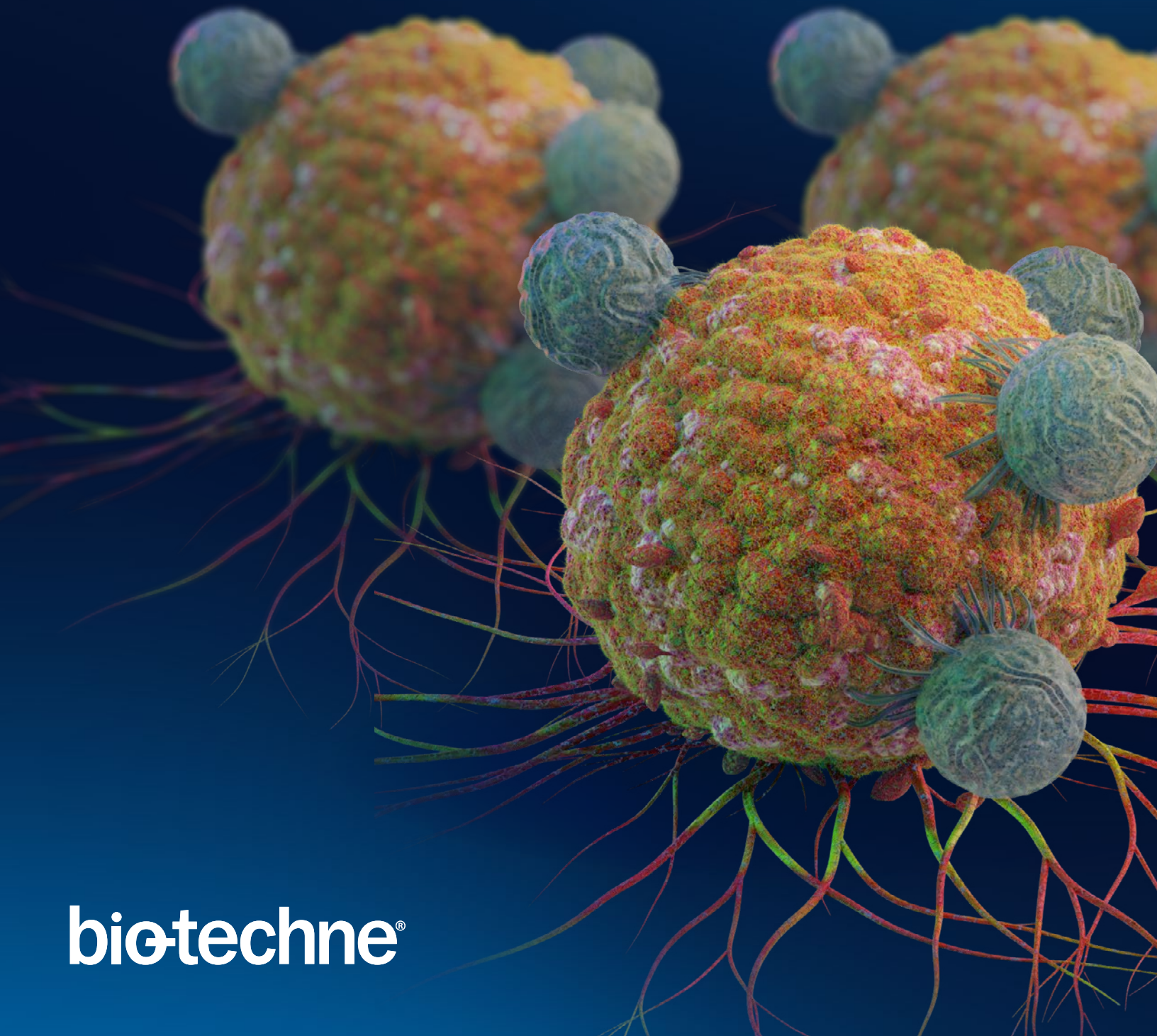


IMMUNO-ONCOLOGY CLINICAL MANUFACTURING



biotechne®

Helping You Make the Right Choice for Your Immuno-Oncology Clinical Program.

At Bio-Techne, our mission is to empower your immuno-oncology **clinical manufacturing** program. Because we understand that consistency, scalability, and supply chain security are important to you, it's important to us too.

We're here to support you in your immuno-oncology clinical program to help you develop new, innovative cancer therapeutics that translate quickly from bench to bedside. Our extensive range of **GMP**-compliant and ISO-certified solutions and services are here to help at every stage of your workflow - from biomarker discovery and checkpoint therapeutics to cell therapies.

By de-risking your manufacturing process and reducing delays, we will get you to the finish line in record time.



THE ROUTE TO DISCOVERY - BIOMARKER IDENTIFICATION & CHECKPOINT THERAPEUTICS

We want to help you develop more effective immuno-oncology therapeutics - from checkpoint inhibitors to monoclonal antibodies - our clinical-grade solutions rapidly and reliably detect, quantify, and validate cancer biomarkers.

- Need an assay that helps you visualize morphological features while assessing the transcriptome? Troubled by the unreliable nature of immunohistochemistry antibodies? Our **IVD RNAscope assay probes** amplify target-specific signals and virtually eliminate background noise thanks to the proprietary double ZZ probe design. All while maintaining the spatial and morphological context - to help you identify RNA expression patterns at the single-cell level with consistently reliable results.
- Say goodbye to unreliable data and say hello to ground-breaking biomarker discovery, with exosome analysis that propels you to the finish line. At Bio-Techne, we know that you're invested in the future of science so we're invested too. That's why we offer a wide range of innovative **exosome services**, from cGMP exosome isolation to nucleic acid and biomarker detection, so that you can do what you do best while we take on the responsibility.
- Looking for a biomarker assay a little out of the ordinary and need to be sure it's CE-IVD marked? Trust in us and our **custom assay services** - from assay optimization through to large-scale manufacturing - we're here to take the weight so that you can walk away.

ORCHESTRATING THE JOURNEY TO CELL THERAPY

The journey to cell therapy can be complex and sometimes troublesome. Let us simplify the route by helping you to navigate the world of scalable solutions and GMP regulations. We offer an extensive selection of GMP cytokines, growth factors, small molecules and GMP animal-free products for your immuno-oncology clinical manufacturing workflow. And, if you're looking to engineer immune cells and don't know where to begin - we have a state-of-the-art GMP facility and on-site genome engineering facilities that ensure you get the cell therapies you need.

GMP CELL CULTURE REAGENTS

If you're troubled by variable results caused by animal-by products in your reagents, then look no further! We understand the importance of valid and consistent data in your cell therapy workflow and work hard to ensure you always have access to our extensive range of GMP animal component-free products. From T-cells to stem cells, our solutions fit seamlessly into your workflow.

- Troubled by time-consuming and unreliable assays due to non-specific T-cell activation? Struggling to expand and scale up regulatory cells? Let us help with our **GMP Cloudz Cell Activation Kits** with revolutionary microparticle technology for the most specific and prolific immune cell activation and expansion.
- If you're looking to make the transition from immuno-oncology research to clinical development but don't know where to start, our **StemXVivo GMP Mesenchymal Stem Cell Expansion Media** is here to help! Produced according to relevant regulatory standards and with the same formulation as our **StemXVivo® Mesenchymal Expansion Media**, your stem cells get the right push at the right time.
- If you have a troublesome cell with complex needs, we have an answer to meet your needs! Draw on our extensive scientific expertise with our custom GMP media services - we're here to help you develop and manufacture your media with consistency and scalability in mind.

GMP CYTOKINES AND GROWTH FACTORS

Confidently switch from research-use only to GMP! We help you to streamline the transition with a guarantee of the same clone, the same sequence, and the same expression system for the production of our industry-leading **cytokines and growth factors**.

GMP ANTIBODIES

Rest assured that you get specificity and sensitivity with our **custom GMP antibody services**. With expertise at every stage – from antibody generation and validation, to downstream analytics and regulatory support – our antibodies are produced in a GMP facility, so that you get consistency and supply-chain security.

GMP SMALL MOLECULES

Don't let big challenges stop you in your tracks! Our ancillary **GMP small molecules** offer superior quality and batch-to-batch consistency. Manufactured in animal-free conditions and to stringent ICH Q7 cGMP guidelines, we've worked hard to de-risk your workflow with start-to-finish traceability.

CELL THERAPY MANUFACTURING SERVICES

Jump the final hurdle and cross the finish line! At Bio-Techne, we understand the challenges you face when manufacturing cell therapies. Whether it's scalability and lot-to-lot consistency you need, or the assurance of GMP regulatory compliance, our **cell therapy manufacturing services** are here to help. With two ISO 7 clean rooms available, you can be confident that your cell therapies are the best they can be.

We also offer an extensive range of research-grade solutions to support and advance your immuno-oncology research. Learn more in our **Immuno-Oncology Research** brochure.

LEARN MORE

MANUFACTURING CAPABILITIES

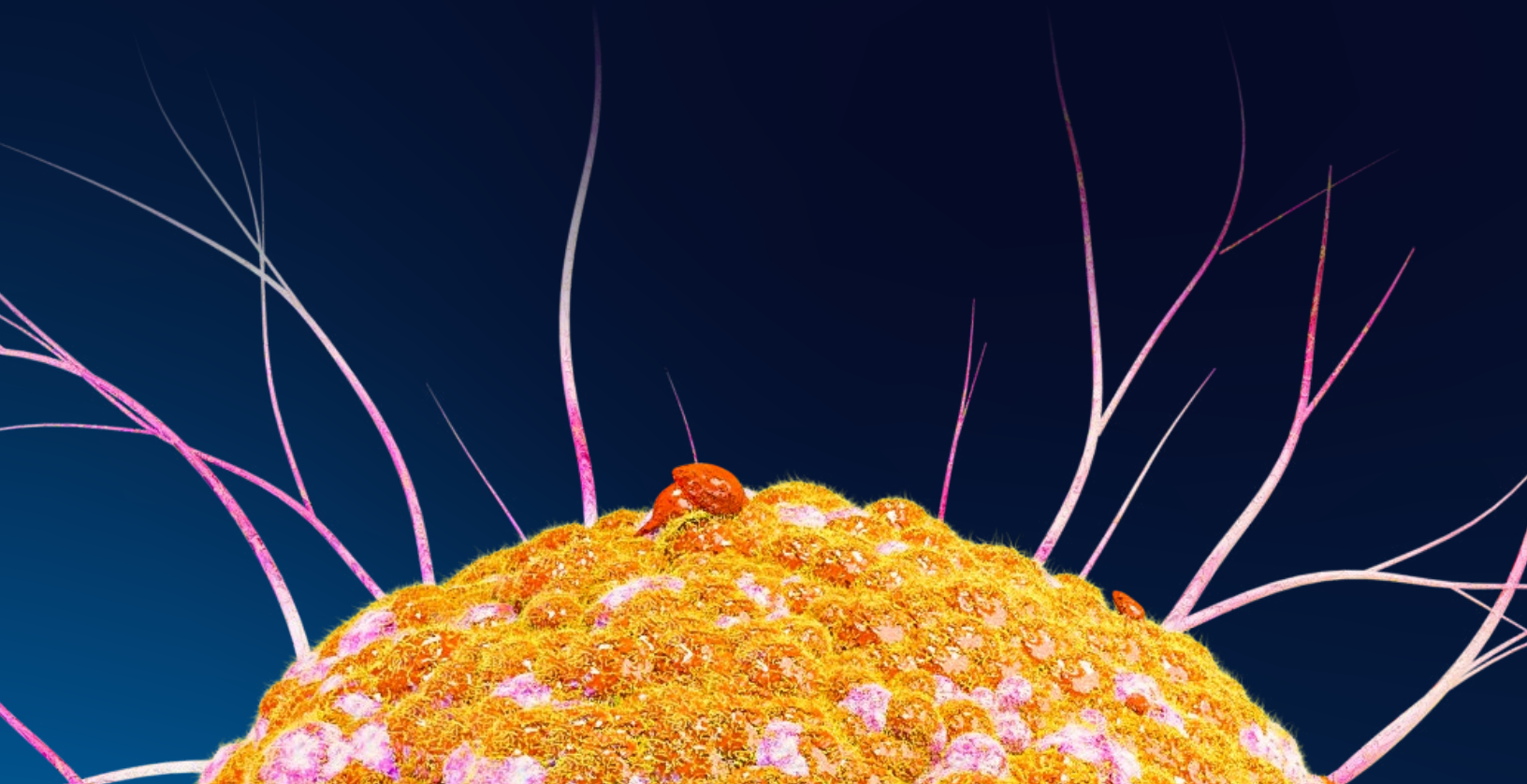
We have recently invested even more in the future of cell and gene therapy, because we are committed to supporting the increasing demand for GMP-grade ancillary proteins.

Our **new facility** with approximately 61,000 square feet is dedicated to supporting large-scale production of GMP-grade materials including E. coli-derived recombinant proteins. Multiple fermenters and purification suites allow us to manufacture the large quantities of GMP proteins required in cell and gene therapy manufacturing processes.

Inquire About Our GMP Capabilities.



WHERE SCIENCE INTERSECTS INNOVATION™



biotechne®

bio-techne.com

R&D SYSTEMS

**NOVUS
BIOLOGICALS**

TOCRIS

proteinsimple

A&D

exosomed_x

Global info@bio-techne.com bio-techne.com/find-us/distributors TEL +1 612 379 2956 North America TEL 800 343 7475
Europe | Middle East | Africa TEL +44 (0)1235 529449 China info.cn@bio-techne.com TEL +86 (21) 52380373

Trademarks and registered trademarks are the property of their respective owners.

BR_IO_Clinical_STRY0172773