



For over 15 years, Biobeams has represented a curated portfolio of globally recognized scientific technology partners, selected for their innovation, application relevance, and long-term value across life sciences, bioprocessing, and advanced analytical workflows.

COLLABORATIVE ENGAGEMENTS

- Academic Institutions
- Translational Centres
- Cell & Gene Therapy
- Biotech Startups
- CDMOs & CROs
- Government Labs

WHY CHOOSE BIOBEAMS

- Scientific Consulting
- Local Technical Support
- Global Tech Access
- Multi-vendor Integration
- Market Expertise
- Human Resources

Strategic Technology Partners



MILTENYI BIOTEC

Cell Therapy Manufacturing & Immunology Solutions

Provides end-to-end solutions for cell therapy development. The CliniMACS platform delivers GMP-certified cell separation and enrichment for CAR-T, NK cell, and stem cell therapies.

KEY PLATFORMS	CliniMACS Systems (GMP-grade), MACSQuant Analysers, GentleMACS Octo Dissociator, MACS Cell Separation Kits,
TARGET SEGMENTS	Cell Therapy Manufacturing, Cell Analysis, Tissue Dissociation, Cell Separation
PRIMARY APPLICATIONS	CAR-T / NK Cell Therapy, Stem Cell Processing, Viral Vector Production, Immunotherapy

NANOMOSAIC

High-Throughput Proteomics & Biomarker Discovery

Provides a high-throughput, ultra-sensitive analytical platform designed for multi-omics (protein and nucleic acid) detection

KEY PLATFORMS	Tessie™ and Mosaic Needles™
TARGET SEGMENTS	Proteomics, Multi-Omics, Biomarker Discovery, Sample Profiling
PRIMARY APPLICATIONS	Cytokine Profiling, CAR-T, PWAS, Oncology Biomarker, AAV CQA, Neurology / pTau / Neurodegeneration

TECHCOMP

Analytical & Life Science Instrumentation

Specializing in high-performance liquid chromatography, UV-Vis spectrophotometry, and laboratory equipment designed for accuracy and durability.

KEY PLATFORMS	HPLC Systems, UV-Vis Spectrophotometers, Lab Centrifuges, Thermal Analysers
TARGET SEGMENTS	Analytical Chemistry, Life Science Research, Quality Control
PRIMARY APPLICATIONS	Pharmaceutical Analysis, Food & Beverage Testing, Academic Research

SYNENTEC

Cell Therapy Manufacturing & Immunology Solutions

Imaging systems for automated cell analysis and quality assurance, combining bright-field and fluorescence imaging for cloning verification

KEY PLATFORMS	Cellavista (High Throughput), Nyone (Medium Throughput), Cell Imaging System & Automation
TARGET SEGMENTS	Monoclonality, Cell Line Development, Drug Discovery, Cell Biology
PRIMARY APPLICATIONS	Single Cell Cloning (SCC), FASCC, Trypan Blue Viability Count, CRISPR/Cas Gene Editing

PAA LABORATORY AUTOMATION

Collaborative Robotics for High-Throughput Laboratories

Flexible, safe automation robots (SLAB, KX-2) that bring collaborative precision to research labs without the need for safety caging.

KEY PLATFORMS	SLAB, KX-2, KX-2 Rails, Collaborative Laboratory Robot
TARGET SEGMENTS	Lab Automation
PRIMARY APPLICATIONS	96/384 Well Plate Processing, Chips Robotic Arm Integration

SBI (SENSORS & BIOPROCESS INSTRUMENTS)

Non-Invasive Sensors for Real-Time Bioprocess Monitoring

Compact sensor systems that deliver continuous, real-time monitoring of critical bioprocess parameters optically through shake flasks.

KEY PLATFORMS	Sensors & Flow Cells for Shake Flasks and Bioreactors
TARGET SEGMENTS	Upstream, Microbiology, Bioremediation, Bioprocess Monitoring
PRIMARY APPLICATIONS	Shake Flask Culture Monitoring, Biomass-Based Feeding, DO & pH Monitoring

PRECIGENOME

Scalable Nanoparticle Manufacturing Platforms

Scalable platforms for the precise synthesis of lipid nanoparticles, liposomes, and polymer nanoparticles from discovery to cGMP manufacturing.

KEY PLATFORMS	Nanogenerator Flex Series (S, M, Pro, Max), Flex Max (cGMP-compliant)
TARGET SEGMENTS	Nanoparticle Synthesis
PRIMARY APPLICATIONS	Nucleic Acid Lipid Nanoparticles (LNP), Liposomes, mRNA Delivery, Vaccine Formulation

SYSTEA

Environmental & Water Analysis Solutions

Precise wet chemistry analysis for environmental monitoring and water quality testing using discrete and continuous flow analysers.

KEY PLATFORMS	Wet Chemistry Analysers, Discrete Analysers, Continuous Flow Analysers (CFA)
TARGET SEGMENTS	Environmental Testing, Water Testing Labs, Coastal & Marine Labs
PRIMARY APPLICATIONS	Nitrite & Nitrate Analysis, Ammonia, Orthophosphate, Total Nitrogen

KBIOTECH

Bioreactors & Fermenters — Lab to Commercial Scale

Modular and parallel bioreactor systems spanning laboratory, pilot, and industrial scale up to 50,000 Litres for rapid process development.

KEY PLATFORMS	Compact, Modular, and Parallel Bioreactors, SIP & CIP Fermenters
TARGET SEGMENTS	Upstream Bioprocess, Microbiology, Vaccine Production
PRIMARY APPLICATIONS	Biologics, Cell & Gene Therapy, Viral Vector Production, Fermentation

908 DEVICES(REPLIGEN)

At-line, Online & Inline Analytics for Bioprocess Development

A powerful suite of PAT tools delivering real-time insight into bioprocess performance, from amino acid analysis to non-invasive biochemical measurement

KEY PLATFORMS	REBEL (Capillary Electrophoresis), Maven (Biosensor), Trace C2, Maverick (Raman), Zip Chip
TARGET SEGMENTS	Atline / Online / PAT, Upstream Optimization, Media Screening
PRIMARY APPLICATIONS	Charge Variant Analysis, Intact Antibodies, Oligonucleotides, Biologics

GENERAL LABORATORY INSTRUMENTATION & TURNKEY CONSULTANCY

Beyond principal partnerships, Biobeams supplies freeze dryers, rotary evaporators, histopathology instruments. We offer end-to-end turnkey consultancy for laboratory design and procurement.



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