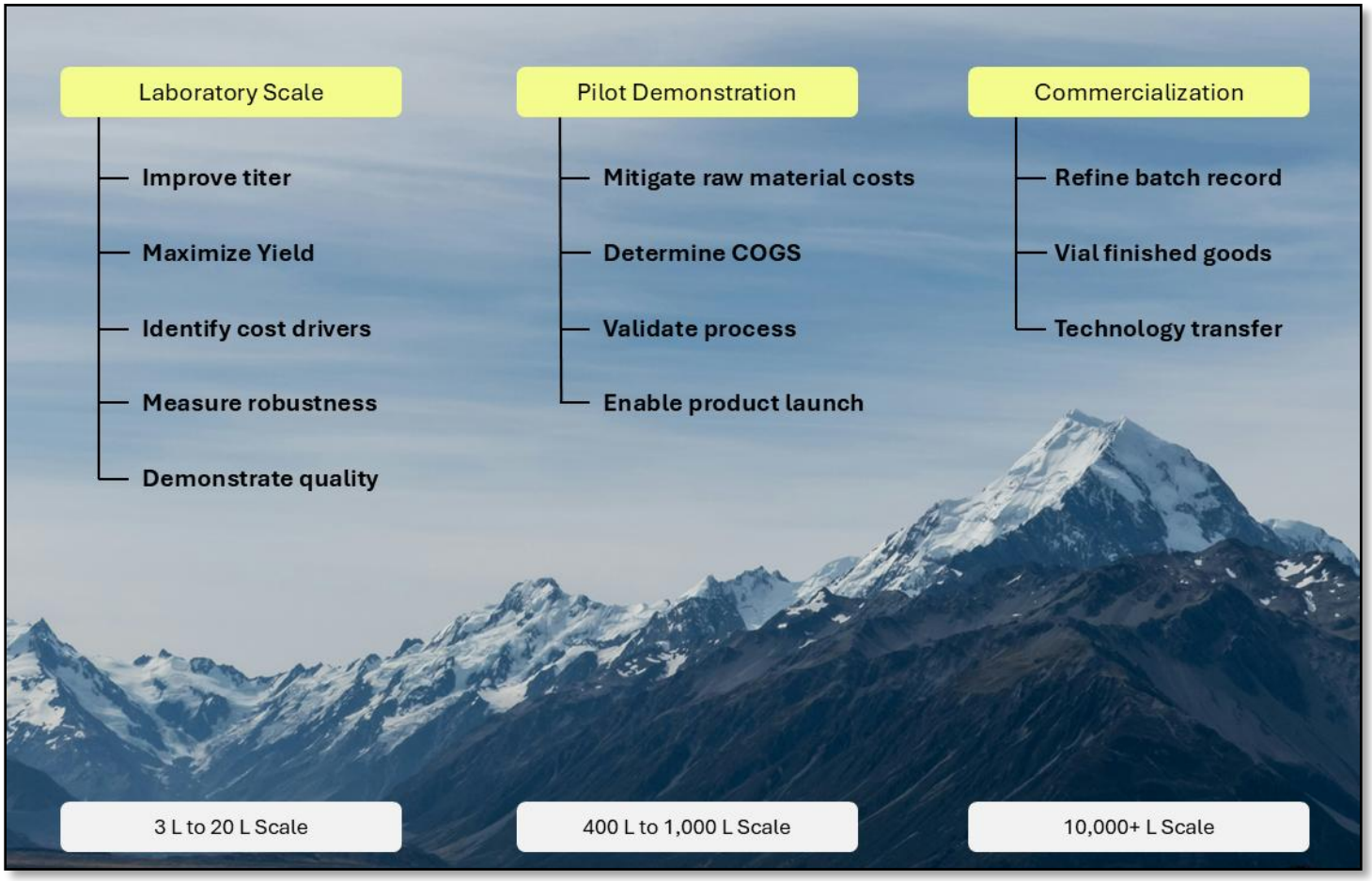
Exceptionally Affordable CDMO Services

Fermatix is built on a simple premise: high-quality biological molecule products should be accessible, affordable, and manufactured under a rigorous ISO 13485 quality framework. Partner with Fermatix to leverage our experienced team and 42,000 square foot production facility north of Boston to support your seamless transition from laboratory scale development to commercial scale manufacturing and benefit from products entirely made in the USA.

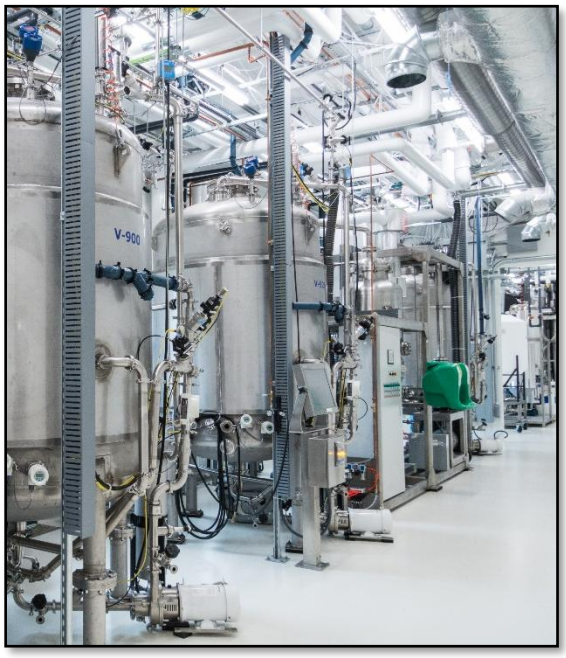


Rapid Development Services

Fermatix specializes in end-to-end fermentation and purification services for proteins, nucleic acids, and small molecules using the customer's strain—whether bacterial, yeast, or fungal—and delivering results on an accelerated timeline. Early development work is intentionally designed to mirror the variables and constraints of large-scale production, ensuring that small-scale insights translate reliably to pilot and

manufacturing runs. Fermentation parameters, feed strategies, induction schemes, and downstream workflows are optimized with scalability in mind, reducing risk and increasing yield predictability as projects advance. By combining rapid execution with a rigorous, scale-aware development philosophy, Fermatix provides customers with a clear, low-friction path from concept to robust manufacturing readiness.

Pilot Scale and Commercial Services



Fermentation. Our fermentation assets enable scalable production of protein, nucleic acid, and small-molecule products—from 3-liter benchtop trials to 10,000-liter industrial-scale workflows—ensuring that every stage of development is engineered for seamless progression toward commercialization.

Purification. Each fermentation scale is supported by matched downstream processing capabilities, including clarification, chromatography, filtration and formulation, allowing process conditions to be refined and validated under realistic, scalable constraints.

Biocatalysis. In addition to traditional fermentation and purification strategies for the generation of biomolecules, Fermatix is also adept at performing biocatalysis to convert small molecules into a desired product in a manner that limits the use of solvents providing a sustainable, green manufacturing solution. We are experienced in performing biocatalysis for kilo-scale manufacturing resulting in products with exceptional purity profiles (99%+). With Fermatix, your enzyme manufacturing and biocatalysis process can be executed in a simultaneous manner.

Assay Development. A successful product launch needs to be backed by robust analysis. We provide development, refinement and validation of purity, activity and other assays your customers will rely on.

Our integrated approach minimizes technical risk, enhances reproducibility, and drives down cost as projects mature. Supported by our ISO 13485 quality management system, every step is executed to the highest regulatory and documentation standards, enabling a smooth transition from early development through to a final commercial solution that is robust, consistent, and ready for market.

Collaboration

We collaborate with clients of all sizes, supporting custom enzyme programs, OEM/private-label reagent production, and full diagnostic reagent formulation. Each partnership is guided by transparent communication, technical rigor, and continuous process refinement. For example, we have served our customers by:

- Rapidly scaling fermentation of over 35 strains expressing unique molecular biology enzymes used for SARS-CoV-2 diagnostics.
- Developing a kilo-scale biocatalysis reaction process to produce small molecules used in mRNA vaccines from novel enzymes while driving down costs by over 98%.
- Producing breakthrough antifungal compounds using a variety of *Actinomycetes* strains.
- Fermenting novel, high-volume broths for cosmetic applications using a microbial co-culture approach.

Partner with Fermatix and

DO MORE

with your manufacturing budget

Fermatix