



Your Trusted Partner for **Bioprocess Development** & **Contract Manufacturing Services**

- Preferred Partner of Leading Global Firms
- End to End Upstream Development
- State of the Art Manufacturing Facilities
- Experienced R&D & Manufacturing Teams

Industries We Serve

1

Biopharmaceutical

Biosimilar, Recombinant Protein, Enzymes, Antibiotics, Vitamins

2

Sustainable Chemicals

Fermentation Based Bioplastics, Food Preservatives & Additive, Sweeteners

3

Food & Agriculture

Probiotics, Plant-based Proteins, Microbial Enzymes, Probiotic Feed

4

Cosmetics

Ferment Filtrate, Ferment Lysate & Biopolymers

Services We Offer

Comprehensive services including clone development, process optimization, scale-up, regulatory documentation, and seamless process transfer.

- End-to-End R&D Solutions: From Strain Engineering to Pilot Scale-Up
- Multiple Characterization Platforms
- Bioprocess Manufacturing : 10-100 Ltrs Scale



Class ISO 8 Compliant Clean Room Facility



Integrated Bioprocess Development

Custom Strain & Process Development

- Bacterial Strain Development
- Engineered for target molecule production
- Optimized for yield, stability & scalability

Purification Process Development

- Downstream Optimization (1L → 10L)
- Chromatography: Affinity, IEX, SEC
- Filtration: Micro, Ultra, Diafiltration
- Centrifugation & Lyophilization

Fermentation Process Development

- Lab to Pilot Scale: 1L → 10L
- Controlled growth & expression systems
- Joint Product Development
- Seamless Tech Transfer: Includes documentation, handover of protocols



Bioprocess Manufacturing

Fermentation Process (10L-100L Scale)

- Batch & Fed-Batch: Controlled microbial growth & product formation
- Different Microbial Platforms like Bacterial & Yeast

Cell Recovery, Disruption and Filtration

- Harvesting & Clarification (Cell mass separation/ Secreted Product isolation)
- Lysis techniques (Cell Lysis/ IB wash)
- Centrifugation & Filtration

Drying Technologies

- Spray drying for rapid moisture removal
- Lyophilization (freeze-drying) for sensitive biomolecules



Key Differentiators

- 1 Efficient Production**
High-yield Biomass, Enzyme & Protein manufacturing in short lead times
- 2 Scalable Operations**
Rapid scale-up with flexible batch sizes and production capacity
- 3 End-to-End Support**
From early-stage development to commercial manufacturing
- 4 Regulatory Excellence**
Full documentation & compliance support
- 5 Collaborative Approach**
Custom scale up & process development as per customer needs.
- 6 Customized Solutions**
25+ year track record of customized protein production & development

Case Studies

Case Study 1: Scaling Up with Consistency

(Bengaluru based company)

Challenge	Customer had only 5L batch data & needed to scale up
Our Solution	We supported scale-up from 5L → 10L → 100L
Outcome	Achieved consistent cell growth across all scales

Case Study 2: Process Optimization

(Mumbai based company)

Challenge	Customer's batch process took 15 days from shake flask to harvest
Our Solution	Optimized the fermentation workflow
Outcome	Reduced batch time from 15 days → 9 days, improving efficiency & throughput

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