



## Biotechnology Research Outsourcing Services

Our biotechnology research outsourcing services provide end-to-end solutions across multiple biotech sectors, enabling innovation in sustainable products, therapeutics, diagnostics, and bioprocess technologies.

### Our Biotechnology Research Capabilities

With advanced molecular labs, pilot-scale bioprocess units, and expert teams, we handle complex projects from gene cloning to full product pipeline development under robust QA/QC systems.

### Types of Biotechnology Research We Handle

- Gene Cloning and Genetic Engineering
- CRISPR and Genome Editing
- Recombinant Protein Production
- Antibody Production and Purification
- Vaccine Development Research
- Stem Cell Biotechnology
- Cell Line Development
- Biopharmaceutical Production
- Industrial Enzyme Production
- Biofuel and Bioenergy Development
- Bioplastic Synthesis Studies
- Bioremediation Process Design
- Environmental Biotech Monitoring
- Agrobiotechnology and Crop Improvement
- Plant Tissue Culture Protocols
- Microbial Strain Improvement
- Fermentation Process Optimization
- Food Biotechnology
- Probiotic and Prebiotic Research
- Diagnostic Kit Development
- Biomarker Discovery and Validation
- Bioinformatics for Biotech Pipelines
- Synthetic Biology Circuit Design
- Biosensor Development

- Nanobiotechnology Applications
- Regenerative Medicine Research
- Custom Biotechnology Solutions
- GMP-Compliant Biotech Processes
- Tech Transfer and Scale-Up Studies
- Regulatory-Compliant Data Reporting

## **Key Research Outsourcing Services Offered**

- DNA/RNA Extraction and Cloning
- CRISPR Guide Design and Delivery
- Expression Vector Construction
- Recombinant Protein Expression
- Protein Purification and Validation
- Antibody Generation and Testing
- Cell Culture and Cell Line Engineering
- Stem Cell Culturing and Differentiation
- Fermentation Process Trials
- Upstream and Downstream Process Design
- Bioreactor Operation and Scale-Up
- Industrial Enzyme Assays
- Bioplastic Production Feasibility
- Biofuel Feedstock Optimization
- Bioremediation Feasibility Testing
- Plant Transformation and Culture
- Probiotic Strain Characterization
- Diagnostic Assay Development
- Biomarker Data Analysis
- Synthetic Biology Circuit Prototyping
- Biosensor Prototype Assembly
- Nanobiotech Material Characterization
- GMP Documentation Preparation
- Regulatory Data Package Compilation
- Confidential Data Handling with NDA
- Progress Reports and Milestone Updates
- Publication-Ready Reports and Graphs
- Secure Data Backup and Cloud Storage
- Post-Project Consulting and Support
- Custom Tech Transfer Packages

## **Why Choose Us for Biotechnology Research Outsourcing?**

Our cross-functional biotech teams, modern labs, and robust compliance systems deliver high-quality, scalable, and regulator-ready biotech solutions for diverse industry needs.

## Industries & Sectors We Serve

- Pharmaceutical and Biopharma Companies
- Industrial Biotech and Bioenergy Firms
- Agricultural and Food Biotechnology
- Environmental and Waste Management
- Healthcare and Diagnostic Startups
- Academic and Government Biotech Labs

## Customized Biotechnology Solutions

We design flexible biotech research pipelines, SOPs, and scale-up strategies tailored to your project goals, regulatory targets, and commercialization timelines.

## Quality Assurance & Regulatory Compliance

Our processes follow ISO, GLP, GMP, and ICH guidelines, ensuring full traceability, robust QA/QC, and audit-ready documentation for smooth product registration.

## Case Studies & Client Success Stories

Discover how our biotechnology expertise has enabled novel vaccine candidates, sustainable bioplastics, and efficient industrial bioprocesses. References available upon request.

## How It Works: Our Research Outsourcing Process

1. **Requirement Gathering:** Define target biotech process, deliverables, and timelines.
2. **Proposal & Quotation:** Share detailed plan, timeline, and transparent costing.
3. **Lab Execution:** Perform experiments, scale-up runs, and QA/QC validation.
4. **Data Reporting:** Deliver validated data, reports, and regulatory documents.
5. **Post-Project Support:** Provide tech transfer, training, and regulatory guidance.

## Frequently Asked Questions (FAQs)

**Q:** Do you offer full GMP-compliant processes?

**A:** Yes — we develop GMP-ready SOPs, batch records, and validation reports.

**Q:** Can you handle scale-up to pilot and industrial level?

**A:** Absolutely — we support lab, pilot, and full-scale production transfer.

**Q:** How secure is proprietary data?

**A:** NDAs, encrypted storage, and access control ensure full confidentiality and IP protection.

## **Get Started / Request a Quote**

Contact us today to discuss your biotechnology project and get a tailored plan and quotation aligned with your goals.

## **Contact Us**

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