



Molecular Diagnostics Research Outsourcing Services

Our molecular diagnostics research outsourcing services enable precise disease detection, pathogen identification, and biomarker-based patient stratification using advanced nucleic acid and protein-based assays.

Our Molecular Diagnostics Research Capabilities

Our team of molecular biologists, assay developers, and clinical researchers leverage PCR, qPCR, NGS, and bioinformatics for accurate, validated diagnostics solutions.

Types of Molecular Diagnostics Research We Handle

- Genetic Disease Testing
- Infectious Disease PCR Diagnostics
- Real-Time qPCR Assay Development
- SNP Genotyping Assays
- Mutation Detection Panels
- Pathogen Detection and Quantification
- Viral Load Quantification
- Liquid Biopsy Diagnostics
- Circulating Tumor DNA (ctDNA) Tests
- Circulating Tumor Cell (CTC) Tests
- Companion Diagnostic Development
- Point-of-Care Molecular Diagnostics
- Multiplex PCR Assay Development
- Microarray-Based Diagnostics
- Epigenetic Diagnostic Tests
- MicroRNA Diagnostic Panels
- NGS-Based Diagnostic Panels
- Pathogen Genome Sequencing
- Drug Resistance Mutation Testing
- Biomarker-Based Patient Stratification
- Non-Invasive Prenatal Testing (NIPT)
- HLA Typing and Matching
- Oncology Diagnostic Markers
- Immunodiagnostic Support

- Regulatory-Compliant Diagnostic Reports
- Publication-Ready Diagnostic Data
- Cross-Lab Diagnostic Validation
- ISO-Compliant Diagnostic Solutions
- Custom Diagnostic Test Development
- Clinical Validation and Regulatory Submission

Key Research Outsourcing Services Offered

- Sample Collection and Nucleic Acid Extraction
- PCR and qPCR Assay Design
- Validation and Sensitivity Testing
- NGS Library Preparation and Sequencing
- SNP Genotyping Panels
- Mutation Detection and Analysis
- Pathogen Genome Sequencing
- Liquid Biopsy Assay Development
- ctDNA and CTC Isolation and Analysis
- Multiplex Assay Development
- Microarray Design and Analysis
- Epigenetic Markers Validation
- MicroRNA Profiling and qPCR Panels
- Bioinformatics and Data Interpretation
- Biomarker Panel Development
- Patient Stratification Algorithms
- Regulatory-Compliant Documentation
- Confidential Data Handling and NDA
- Interim Project Reports and Updates
- Publication-Ready Figures and Manuscripts
- Stakeholder Presentation Support
- Workshops and Training in Molecular Diagnostics
- Post-Project Technical Consulting
- Patent and IP Filing Support
- Grant Proposal and Manuscript Assistance
- Sample Archiving and Secure Backup
- Compliance with GLP, ISO, and GCP Standards
- Cross-Lab Collaborative Validation
- Integration with Clinical Trial Pipelines
- Long-Term Diagnostics Research Partnerships

Why Choose Us for Molecular Diagnostics Research Outsourcing?

Our experts deliver reliable, validated diagnostic assays and datasets, supporting rapid patient diagnosis, precision treatment planning, and regulatory compliance.

Industries & Sectors We Serve

- Diagnostic Kit Manufacturers
- Hospitals and Clinical Labs
- Clinical Research Organizations (CROs)
- Biotech and Pharmaceutical Companies
- Regulatory and Health Authorities
- Academic and Translational Research Centers

Customized Molecular Diagnostics Solutions

We design assay workflows, validation pipelines, and regulatory-ready reports tailored to your disease focus, sample type, and compliance needs.

Quality Assurance & Regulatory Compliance

Our lab processes align with ISO, GLP, GCP, and national diagnostics standards, ensuring robust, validated, and audit-ready results.

Case Studies & Client Success Stories

See how our diagnostics outsourcing has accelerated assay approvals, improved patient stratification, and supported large-scale screening programs. References available on request.

How It Works: Our Research Outsourcing Process

1. **Requirement Gathering:** Define target disease, assay type, and validation endpoints.
2. **Proposal & Quotation:** Provide detailed workflow, timeline, and cost estimate.
3. **Lab Execution:** Perform assay design, validation, and cohort testing.
4. **Data Reporting:** Deliver analyzed diagnostic data and compliance-ready documentation.
5. **Post-Project Support:** Offer follow-up cohort studies, regulatory consulting, and submission support.

Frequently Asked Questions (FAQs)

Q: Do you develop custom PCR/qPCR assays?

A: Yes — we design, validate, and optimize assays for genetic and pathogen diagnostics.

Q: Can you support regulatory submissions?

A: Absolutely — we provide full documentation and validation data for regulatory approval.

Q: How secure is patient diagnostic data?

A: Strict NDAs, encrypted servers, and compliance with patient privacy standards ensure full confidentiality.

Get Started / Request a Quote

Contact us today to discuss your molecular diagnostics research needs and receive a custom plan, timeline, and cost estimate aligned with your clinical and regulatory goals.

Contact Us

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