

DNA SERVICES

Advancing life science
and technology research
through trusted DNA
services since 1999



 **GENEWIZ®**
Solid science. Superior service.

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Excelling in both science and service, GENEWIZ contributes to the advancement of the life sciences and technologies by making research more productive and cost-efficient. GENEWIZ, a leading contract research organization (CRO) founded in 1999 by former researchers, is the trusted DNA services partner to thousands of academic, biotechnology, pharmaceutical, and government institutions and the preferred or sole provider to over 30 enterprises.

GENEWIZ's customers are supported by state-of-the-art facilities and expert technical teams at the local, national, and international levels, as well as a rigorous quality system based on Good Laboratory Practices. We are recognized for our great people, high quality data and a proven track record of providing the best value to our customers.

#1 in US Sanger DNA Sequencing
Award-Winning Technical Support

GENEWIZ is the recipient of the Frost & Sullivan Industry Best Practices Award for Growth Strategy Leadership, which cited "high-quality services and unparalleled support." The award also stated that GENEWIZ's DNA sequencing services "have received unprecedented acceptance from the foremost researchers who are conducting the most cutting-edge genomic studies."



“ **TOGETHER** with our customers we can make a difference in the pursuit of scientific discoveries, better medicines, a greener environment, and abundant and healthy food supplies. ”

GENEWIZ Mission

DNA SEQUENCING SERVICES

Since 1999 leading academic, biotechnology, and pharmaceutical institutions have entrusted GENEWIZ with their DNA sequencing projects. Speed, convenience, and reliability have made GENEWIZ the supplier of choice in the U.S.

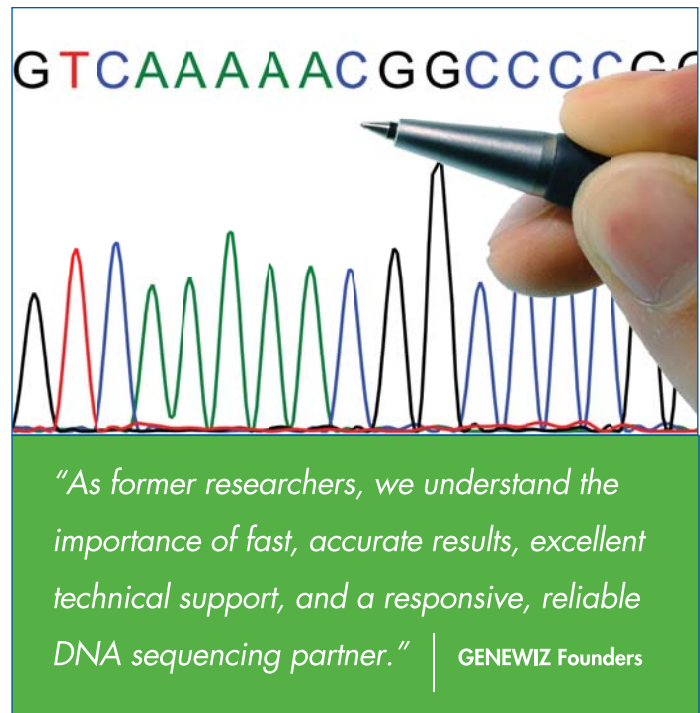
DNA Sequencing Service Options

Whether your project involves single tubes or high volumes, GENEWIZ operations can accommodate your needs.

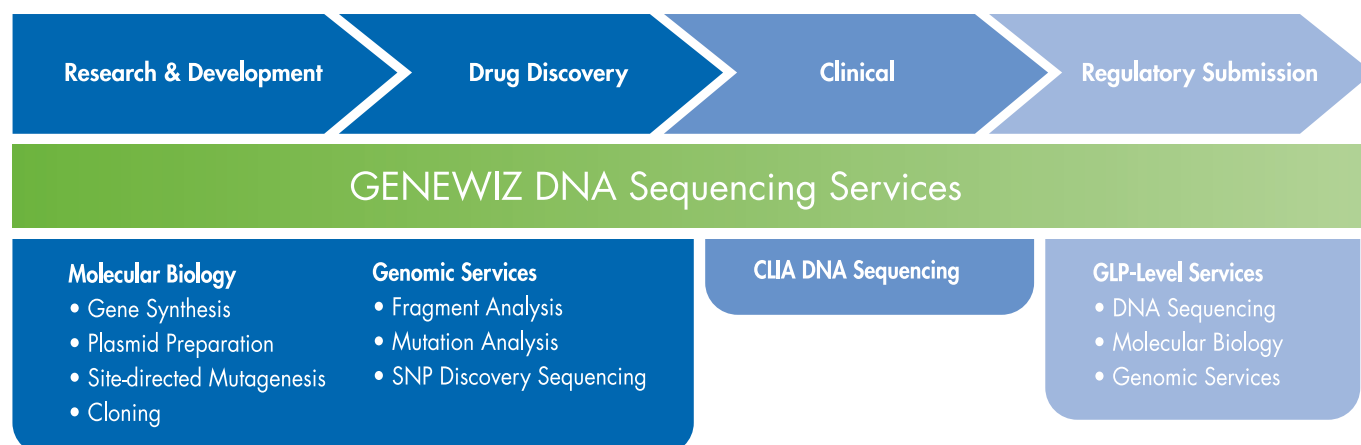
- Plasmid Sequencing
- Purified PCR Product Sequencing
- PCR Clean Up & Sequencing
- Difficult Template Sequencing
- Primer Walking
- Shotgun Sequencing
- TA Cloning & Sequencing
- Direct Bacterial Colony Sequencing
- Direct Glycerol Stock Sequencing
- Direct Phage with Circular Genome Sequencing
- BAC End Sequencing
- GLP DNA Sequencing
- CLIA DNA Sequencing

GENEWIZ Institutional Partnership Programs (IPP's)

Since 2004 GENEWIZ's Institutional Partnership Programs have led the way as the trusted, primary relationship for outsourced DNA sequencing. GENEWIZ IPP's have freed over 30 institutions to focus their resources on strategic initiatives that will fuel their future success, while GENEWIZ reliably delivers the DNA sequencing and other IPP services.



DNA Services Suite



GENE SYNTHESIS SERVICES

GENEWIZ's Gene Synthesis service combines strengths in operational excellence, DNA sequencing, project management, and stringent quality control. Simply provide a nucleotide or amino acid sequence, and we will build your desired gene into your choice of plasmid.



Reliable Gene Synthesis with Personal Service

GENEWIZ provides highly-successful, full-service gene synthesis for even the most difficult genes. NJ-based Ph.D. project managers provide project planning, consultation, weekly updates and technical support. Our core operational expertise in DNA and a streamlined process have resulted in very high customer ratings for quality, turnaround, consultation, and project updates.

- *Full Service* – One-stop capability from sequence design and optimization, synthesis, cloning, verification by sequencing and restriction digestion, and plasmid preparation
- *Fast Turnaround*— Approximately 2-3 weeks for <2 kb synthetic genes
- *Advanced Technologies*— Proprietary technologies enable us to synthesize sequences with difficult stretches such as highly repetitive, AT-rich, and GC-rich DNA
- *Competitive Pricing*— Save time and reduce costs relative to in-house cloning, so that you can focus on your next discovery
- *Intellectual Property*— Our customers own the synthetic genes and all related intellectual property

Molecular Biology Services

In addition to gene synthesis, GENEWIZ offers a suite of Molecular Biology services for your convenience. Advantages include faster results, no multi-vendor transitions, a single point of accountability, and reduced risk of error and loss.

- Plasmid Miniprep – Tube & Plate
- Large-Scale Plasmid Preparation
 - Midi/Maxi/Mega/Giga
 - Endo-free option
- Site-Directed Mutagenesis
- PCR/Restriction Enzyme-Based Cloning
- shRNA Cloning
- Molecular Cloning
- Regulatory GLP Services

GENEWIZ Project Managers Are the Difference!

GENEWIZ's NJ-based Ph.D. project managers have strong molecular biology backgrounds, and provide support throughout your project. Milestone-based project plans are tailored to your exact specifications; weekly project updates keep you well-informed and comfortable with progress.



REGULATED SERVICES

GENEWIZ provides GLP-compliant (Good Laboratory Practices) services for regulatory submissions to the nation's top pharmaceutical, biopharmaceutical, biotechnology and clinical institutions. You can expect quality, reliability and ease of collaboration with GENEWIZ's scientific and quality assurance teams, to ensure that your project goals are fully met.

GLP-Compliant Services

- Double-Strand Sequence Confirmation
- Primer Walking Sequencing
- Nucleic Acid Extraction
- Reverse Transcription PCR and Sequencing
- Plasmid DNA Preparation

GENEWIZ GLP Project Management Overview

- Technical consultation with a dedicated Study Director
- Project-specific Study Protocol development
- GLP-compliant sample receipt, processing, archiving, and disposal
- Use of GLP-compliant and validated SOPs, and facilities
- In-process Quality Assurance Unit audits
- Expert review of project data and documentation
- Final report includes signed QAU Statement
- Archival of GLP project documentation for five years



“ GENEWIZ has a mature quality system that reflects careful planning and attention to detail. It is evident that GENEWIZ takes quality very seriously and has built quality practices into their production systems. GENEWIZ has the capacity to support large-scale GLP studies supported by a mature quality system. ”

Independent Auditor



Please contact GENEWIZ to arrange a GLP Audit or to discuss CLIA services for your organization.

GENEWIZ Laboratory Locations



Global Headquarters & Laboratory
South Plainfield, NJ

Boston Laboratory
Cambridge, MA

Washington DC Metro Laboratory
Germantown, MD

San Diego Laboratory
La Jolla, CA

China Laboratories
Beijing
Suzhou

Sales & Technical Support
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