



# ACGT, INC.

DNA Sequencing Services





# Who Are We?

ACGT, Inc. is a Contract Research Organization. We provide a broad range of DNA sequencing and molecular biology services to the pharmaceutical, biotechnology, academic, clinical, and government sectors.



# Credentials

- GLP Compliant (21 CFR 58)
- US EPA GLP Compliant (40 CFR 160)
- cGMP Compliant (21 CFR 210 and 211)
- BSL-2 Compliant
- Compliant with HIPAA Regulations
- Controlled Substance DEA License
- CLIA Certified
- CAP Accredited
- Women/Small Minority Owned Business

# Primary Services

- Sanger Sequencing
- Short-read NGS (Illumina)
- Long-read NGS (Oxford Nanopore)
- FLP with standard or fluorescent PCR
- GT / CNV with qPCR and dPCR



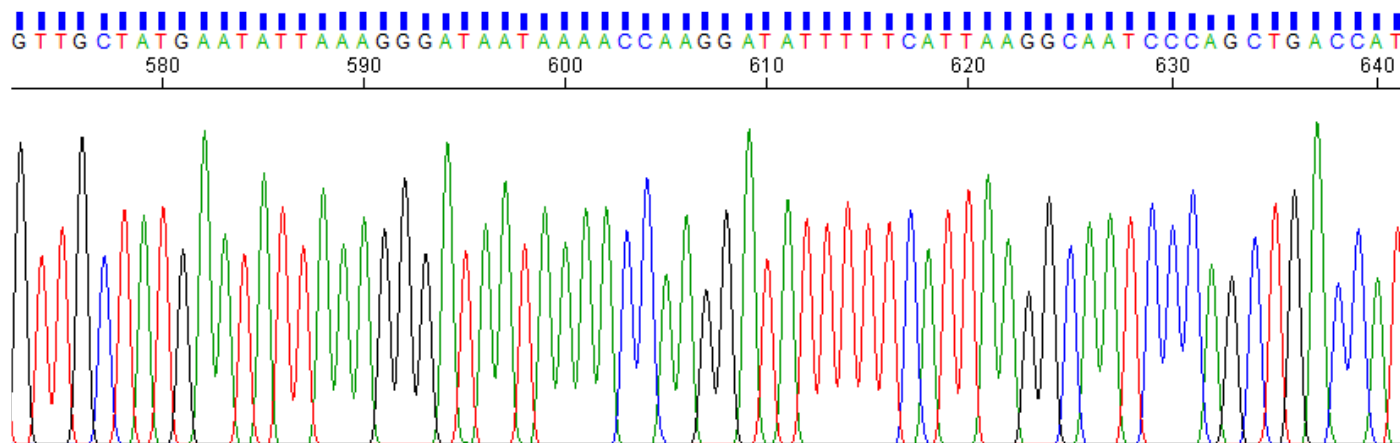
# DNA Sequencing Services

- **Single Pass DNA Sequencing (SPPE)**
  - Service for plasmid, PCR DNA, and large insert templates (i.e., lambda, BAC, PAC, PI clones, Cosmid, Fosmid).
- **Direct Colony Sequencing (DCSS)**
  - Service for bacterial colonies re-suspended in a small volume of buffer.
- **High Throughput DNA**
  - Service for extracted DNA samples or colonies or culture.
- **Full Sequence Analysis (FSA)**
  - Service for plasmids more than 2 kb in length.
- **PCR And Sequencing**
  - Service for genomic DNA targets, designed to detect sequence variants in short genomic DNA regions (from 300 bp to 2 kb).



# Highlights of Our Sanger DNA Sequencing Service

- Generates 750 to 1,000 bases of edited data
- 24-hour turnaround time
- 92% to 96% success rate on first pass
- Extensive troubleshooting for problematic samples
- Repeat reactions provided at no additional charge
- Free primer banking and template storage by request
- Free use of ACGT universal primers
- Free shipping via ACGT drop-box
- Open on Saturdays for Monday data return
- Same day data available M-F
- Real-time project tracking
- 24/7 Online order and data retrieval
- Dedicated technical support staff



# Sanger Sequencing Service Levels

## LCO (Low-Cost Option)

- Template and primer are sent pre-mixed in a single tube.

## Standard Service

- Ideal for samples with known concentration. Templates and primers are submitted in separate tubes.

## Premium Service

- Comprehensive service for samples of unknown concentration. Templates and primers are submitted in separate tubes.
- Samples are run on gel and nano-dropped to determine concentrations for optimizing reactions.
- Un-purified PCR products may be column purified (PCRT) at an additional charge.

*\* ACGT Universal Primers can be requested for any of these services FREE of charge*

# Sample Submission Requirements

- Template DNA (PCR DNA or Plasmid) should be eluted in de-ionized water and not in elution buffer. Elution buffer will result in “noisy” or unusable data.
- A260/280 value should be 1.8
- A260/230 value should be 2
- LCO service: Template and primer should be pre-mixed with only one primer per tube. Example: If a template must be analyzed in both directions using the LCO service, pre-mix the template with forward primer in one tube and with the reverse primer in another tube.
- We require a minimum of 10ul of sample per reaction regardless of the service type.
- Samples should be submitted in 1.5ml or 0.5ml microfuge tubes with the appropriate amount of template and primer. For High Throughput orders, please submit samples in 96 well plates or strip tubes with DETACHABLE caps.

<http://www.acgtinc.com/research-services/dna-sequencing-services/single-pass-dna-sequencing/single-sample-submission/>

# Alternative Protocols

## High GC (HGC)

- For sequences with high GC content

## Hairpin (HP)

- For sequences with hairpins or other secondary structures.

# Primer Design and Synthesis

- For longer DNA targets that require additional internal primers for full coverage, we offer to design and synthesize these primers for your convenience.



# Turnaround Time

- **Same Day Service:** ACGT offers a Same Day/Rush data return service to meet the urgent needs of your project. By selecting this service, you will receive your data by 6PM CST on the same weekday we receive your sample. We also offer our Same Day service on Saturdays. Data for samples received on Saturday will be made available to you by 12 PM Monday. Additional charges may apply.
- **Next Day Service:** Our standard and default turnaround time for data receipt if a Same Day service is not required. You will receive the data within 24 hours from sample receipt.

*\* Turnaround time dependent on sample receipt at ACGT facility by noon CST.*

# Drop-Box Information

## St. Paul

**Pick Up Time: 5:00 pm (CST)**

- University of Minnesota
- Biotechnology Office
- 1479 Gortner Avenue
- Room 142, Gortner Building
- St. Paul, MN 55108

## Minneapolis

**Pick Up Time: 4:00 pm (CST)**

- University of Minnesota
- 2nd Floor Walkway between MCB and Moos Tower



# Easy Online Ordering and Tracking



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# Pricing Per Reaction

	LCO	Standard	Premium	PCRT/ HGC/HP
SPPE	\$4.50	\$5.50	\$7.50	\$3.50
LV Half Plate	\$4.00	\$5.00	\$7.00	\$3.50
LV Full Plate	\$3.50	\$4.00	\$5.00	\$3.50

# Billing and Invoicing Options

- PO Number
- Purchasing Agent (payment link option)
- Credit Card
- ACGT Card (Pre-pay option)

# Free DNA Sequencing

- We invite you to test our data quality, turnaround time and customer service with an offer of 3 FREE Quick Single Pass DNA Sequencing reactions.
- *Please note that this offer is not valid for any special protocols (e.g., hairpin, high GC or types of DNA including BACs, cosmids, etc.)*





# Thank You

Please contact us if you  
have any additional  
questions!

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Email: [dnaseq@acgtinc.com](mailto:dnaseq@acgtinc.com)

Website: <https://www.acgtinc.com/>