

Confidential Quotation for Sanger Sequencing

ACGT

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Valid Until: 12/31/2026

Quote Number: 0320261AM

Sponsor: Angela Tsang

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Objective

Sanger sequencing for samples submitted in individual tubes or PCR-strip tubes (Single Pass Primer Extension), or in large volumes with PCR-strip tubes or 96-well plates (High-Throughput Sequencing).

Single tubes are not acceptable for High-Throughput Sequencing. You must use our High-Throughput (96-well plate) online order form to receive High-Throughput pricing.

Materials Provided by Sponsor

1. Plasmid DNA, PCR DNA (either purified or un-purified), colonies, or culture (colonies and culture must be diluted in buffer). All un-purified PCR products will be purified before sequencing. Additional charges apply (see Additional Pricing Information below).
2. Sequencing primer/s (when applicable)
3. Plasmid DNA: 200 ng of DNA, in 10 ul volume, per reaction
4. PCR DNA: about 10~50 ng of DNA, in 10 ul volume, per reaction
5. Sequencing primers: 20 pmol per reaction

Materials and Equipment Provided by ACGT

1. NanoDrop 8000-ND Spectrophotometer
2. Primer extension sequencing using ABI BigDye Terminator Kit, V 3.1
3. ACGT SeqClean purification reagent (ACGT)
4. Electrophoresis performed on ABI3730xl platform
5. DNA Sequencing Analysis version 5.2

Turnaround Times

All turnaround times are dependent on sample receipt at the designated ACGT facility by 12:00 pm (CST).

	Service	Turnaround Time
Single Pass Primer Extension	Next Day	Initial data return by 1:00 pm (CST) the following business day
	Same Day*	Initial data return by 7:00 pm (CST) on the same business day we receive the samples; additional \$2.00/reaction
	Samples Received on Saturday	All initial data will be delivered the following Monday: Next Day Service: 7:00 pm (CST) Same Day Service: 1:00 pm (CST)
High-Throughput Sequencing		Initial data delivered 1-2 business days from sample receipt (allow extra time for multiple plates)
Direct Colony Sequencing		Initial data delivered 2-3 business days from sample receipt

*Same Day data delivery is not guaranteed for orders that include alternate protocols such as Hairpin, Purification, etc., as these protocols may be subject to longer processing times.

Reactions that require additional troubleshooting may result in longer turnaround times for complete orders. Larger volume orders may also require additional time to process.

Turnaround times may be affected by events beyond ACGT's control, including shipping delays and inclement weather. Turnaround times may also be longer around ACGT-observed holidays. Customers will be notified of holiday schedule changes in advance.

Service Descriptions and Pricing

Order Type	Service Option Description	Sanger Sequencing		
		Single tubes or PCR-strip tubes	High Throughput Sequencing (PCR-strip tubes or 96-well plates)	
		Price per reaction	48-95 reactions (Price per reaction)	≥ 96 reactions (Price per reaction)
Single Pass Primer Extension (Samples submitted as extracted DNA)	LCO (Low-Cost Option) Samples should be submitted with template DNA and primer premixed. Enzyme will be added and sequencing reactions performed at ACGT. Universal primers do not need to be premixed. ACGT will provide the universal primers at no additional cost.	\$5.00	\$4.00	\$3.50
	Standard Service Template DNA and primer submitted separately. The concentration values of the primers and templates should be provided on the order form. For High Throughput orders, the concentration should be normalized for all templates and primers.	\$6.00	\$5.00	\$4.00
	Premium Service Template DNA and primer submitted separately. Randomized quality checking of templates and primers included. The concentration will then be generalized throughout the order (for all templates and primers)	\$8.00	\$7.00	\$5.00
Direct Colony Sequencing* (Samples submitted as colonies or culture in buffer)	Amplification from each colony (needs to be performed for all samples submitted as colony or culture)	\$2.50	\$2.50	\$2.50
	Sequencing reaction (Only Premium service available)	\$8.00	\$7.00	\$5.00
Load and Go	Without Cleanup Prepare your own sequencing reactions using BigDye Terminator enzyme and send us the cleaned reactions for loading directly onto our ABI 3730 Genetic Analyzers. No repeats included.		\$2.00	
	With Cleanup Prepare your own sequencing reactions using BigDye Terminator enzyme and send us the uncleaned reactions for cleanup and loading directly onto our ABI 3730 Genetic Analyzers. No repeats included.		\$3.00	

*Direct Colony Sequencing pricing is the total cost of Amplification + the cost of Premium Service Sequencing Reaction.

Our Repeat Policy

LCO: Troubleshooting will be performed on a subset of reactions that do not meet our quality standards. Depending on troubleshooting results, the remainder of the order may be repeated. High intensity data will not be diluted and repeated. There is no extra charge for repeated reactions.

Standard Service: Troubleshooting will be performed on a subset of reactions that do not meet our quality standards. Depending on troubleshooting results, the remainder of the order may be repeated. There is no extra charge for repeated reactions.

Premium Service: In most cases, if the initial reaction does not produce usable data (i.e. bad or noisy data), ACGT will repeat the reaction, including dilutions of high intensity data. For large volume orders, troubleshooting reactions will be performed and based on the result, the remainder of the order may be repeated. There is no extra charge for repeated reactions.

In the event that all reactions using the same template or primer fail, those reactions may not be repeated. This will be detailed in the results summary.

Reactions producing data with double peaks/mixed PCR/repetitive sequences/homopolymers will not be repeated.

Reactions producing data with clear evidence of high GC content/hairpins/other secondary structures will not be repeated with our standard protocol. If hard to sequence regions are observed, it is recommended to place a new order for those reactions, with either our Hairpin or High GC protocol selected. Additional charges may apply.

Additional Pricing Information

Optional Services	Price
Sequencing using alternate protocol for samples with Hairpin or secondary structure (will be applied when this option is selected on the order form)	\$3.85/reaction
Sequencing using alternate protocol for samples with High GC content (will be applied when this option is chosen on the order form)	\$3.85/reaction
PCR DNA Purification (Premium service only: will be applied for all un-purified PCR products)	\$3.85/sample
Gel Purification (Premium service only: must specify request in Comments section of order form)	\$30.00/sample
BAC Protocol for large DNA (>10kb) (Standard or Premium service only: select BAC/Cosmid/Fosmid under DNA type in order form)	\$30.00/sample
Primer synthesis only (including shipping and primer banking)	\$40.00/primer
Primer synthesis plus design (including shipping and primer banking)	\$50.00/primer
Same Day Service	\$2.00/reaction
Colony picking from agar plates	\$1.50/colony

Deliverables upon Completion of the Project

- All the sequencing electropherograms (. ab1 file) and text files (. ab1.seq file) generated are uploaded to our secure website. Sponsor receives instant notification by email once the data is posted onto the website. Files containing data will not be sent via email.
- Sponsor can track order status and download the data online through their secure account.

Sample Storage

Samples are stored for up to two weeks following order completion. After this time, they will be discarded. Template and primer banking may be requested at no additional charge.

Terms and Conditions

Price

The price for any service shall be the price stated in this quotation. ACGT's quotations are valid for ninety (90) days unless otherwise stated herein. Prices are exclusive of all taxes, fees, licenses, duties or levies. The attached quotation supersedes and cancels all previous quotations of our Sanger Sequencing services.

Payment Terms

Payment terms are a Net 30 days unless otherwise stated in the quotation.

Confidentiality

The contents of this quotation, including service(s), pricing and turnaround time(s) are confidential. The information contained herein, including, but not limited to service pricing, discounts, order volume, turnaround time(s) shall not be shared with any third party.

Confidential information includes written information relating to services, data, know-how, assay methods and technical and non-technical materials. ACGT maintains each client's confidential information with the utmost care and will not use client information except for services to be performed pursuant to a client's work order. ACGT will only disclose client information to its officers, employees and affiliates directly concerned with the services but will neither disclose the information to any third party nor use the information for any other purpose unless such materials were: (1) known to ACGT prior to order, as demonstrated by written records; (2) are or become generally available to the public through no fault of ACGT; (3) are received by ACGT in good faith from a third party, not in breach of any obligation of confidentiality; (4) are independently developed, discovered or arrived at by ACGT without use of or reference to the confidential information; or (5) are disclosed as compelled or required by law.

Force Majeure

ACGT is not liable for any delay or failure of performance, including without limitation, failure to deliver where such delay or failure arises or results from any cause beyond ACGT's reasonable control, including but not limited to: flood, severe weather or other act of nature, power loss, labor disputes, or an inability or delay in obtaining materials. In the event of any such delay or failure to perform its obligations hereunder, ACGT shall have such additional time within which to perform its obligations as may be reasonably necessary under the circumstances.

Indemnification

ACGT shall indemnify its clients, employees, directors and officers for any claims for injuries to persons or damages which occur on ACGT's premises or premises under the exclusive control of ACGT. ACGT's clients shall defend, indemnify and hold harmless ACGT, its employees, directors and officers, from and against any and all liability which it may incur, by reason of client's use of the results of the services hereunder.

Limitation of Liability

ACGT's liability shall be limited to the price you paid for ACGT services on the relevant sales transaction. Except as prohibited by law, in no event shall ACGT be held liable for any incidental or consequential damages or for lost profits, loss of data, or for any other claim, expense, liability or loss otherwise arising from any sale of service to you.