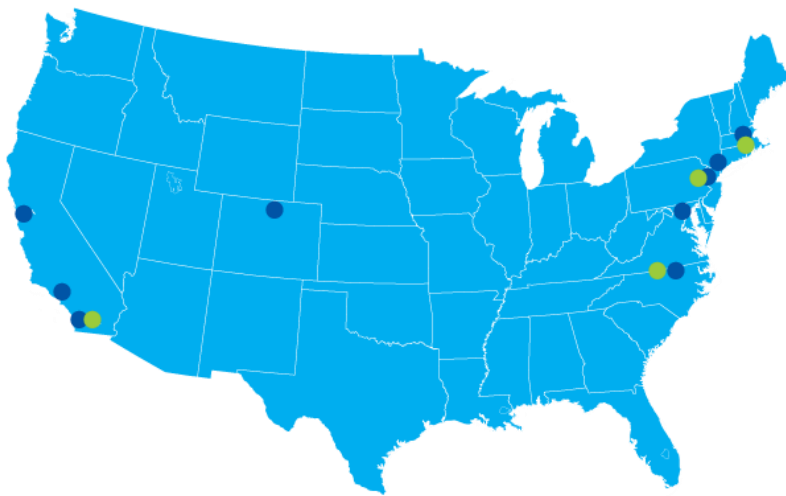


DNA Sequencing




- Fastest Sequencing Service in the US
- High Quality Read Length, Typically Above 1000 bp
- Exclusive Prepaid Options

Fastest Sequencing Nationwide

Due to the logistical advantages of being located next to the UPS headquarters, Eurofins offers the fastest nationwide sequencing service in the US.

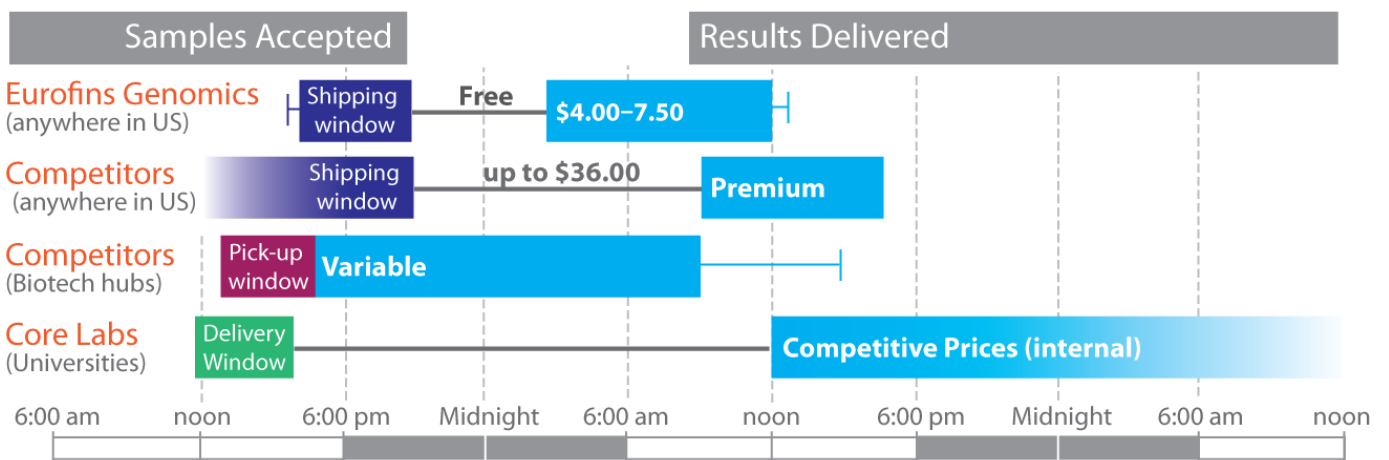


Sequencing Results in <24 Hours

-  Eurofins Nationwide Overnight
-  Alternative Vendor 1
-  Alternative Vendor 2

It is important to note that some competitors do offer nationwide overnight service if the customer pays for overnight shipping and certain restrictions are met. In our opinion, this is not true overnight service due to the cost and time constraints around such as service. The comparison above is an "apples to apples" comparison when taking into consideration the true cost and time required.

Sequencing Process



Sequencing Submission



1 Order Free Shipping Labels

Many customers prefer to order our free shipping supplies in advance so submitting samples is quick and convenient later. Ordering shipping supplies is not a required first step, only a friendly suggestion to help support your lab.



2 Submit Order Online

Visit the Fisher Scientific website → look in “shop products” → hover over “RNAi, Oligos, & Assay Tools” → select Eurofins Genomics tool from the Oligo Tools section. This link will take you to the Eurofins Genomics punchout system where you will find sequencing options.



3 Ship Samples For Free

Place your DNA template into the tubes, attached the barcode labels, and ship using our free, pre-paid UPS envelopes. UPS offers thousands of drop-off locations across the US.



4 Receive Your Results the Next Day

You will receive your results the next day, even on Saturdays, typically by noon. Results are provided through a secure link.

Sequencing Overview

Samples can be submitted in various formats. Eurofins Genomics also offers free sample tubes with the SimpleSeq™ service.



1. Kits

SimpleSeq™ is a prepaid kit with 96 barcoded split-sealed tubes and 96 reactions for hassle-free sample submission and shipment.

Kit Products



SimpleSeq
96 prepaid reads, tubes & barcodes



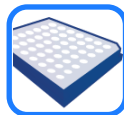
SimpleSeq
Premixed version
Skip online ordering



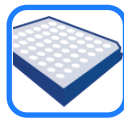
2. Plates

Large orders with multiple samples should be submitted in the plate format. Additional discounts are available for high-volume customers.

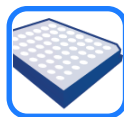
Plate Products



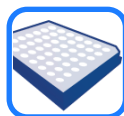
Plates
96-well, v-bottom



Prepaid Plates
96 prepaid reads
Plasmid & PCR options



ShortSeq Plates
Faster, lower cost
Shorter read length, <550bs



Ready2Load Plates
Premixed



3. Tubes

DNA templates of different types for Sanger sequencing can be submitted in tubes.

Tube Products



Tubes
Wide variety of tubes accepted



Barcoded Tubes
0.75 mL tubes



1. Kits

SimpleSeq™ revolutionizes the sequencing process. It is a prepaid kit that saves your lab cost, time, and labor for an all-around hassle-free experience. SimpleSeq kits contain 96 barcoded, split-sealed tubes and 96 prepaid reactions. The reactions are prepaid so you will not have to pay anything when submitting samples. The supplies are free. Shipping is free.



SimpleSeq™ Standard

With SimpleSeq™ kits, all your Sanger sequencing needs are conveniently wrapped into a nice little package. All you need to do is pipette your sample through the user-friendly split-seal cap, enter the details of your reactions online (activation), and submit your sample for overnight service.



SimpleSeq™ Premixed

The premixed version of SimpleSeq™ has a lower cost, is processed faster by our lab technicians, and you can skip the online submission process for an even easier experience.

Features	SimpleSeq™	SimpleSeq™ Premixed
96 free barcoded tubes	✓	✓
96 Pre-paid Standard reads	✓	✓
Price Per Reaction	Standard Price	Discounted Price
32 barcoded labels	✓	X
12 prepaid addressed UPS envelopes	✓	✓
Samples types accepted	Various	Premixed Only
Free standard primers	✓	X
Multiple reads from one sample tube	✓	X
Skip online submission	X	✓
Results delivered by noon (incl. Saturdays)	✓	✓

SimpleSeq™ Specifications

The Standard kit allows for the submission of 'prepared template', 'prepared template and primer', or 'premixed' sample for one or even multiple sequencing reaction(s) in each tube.



Submission Format

Samples should be loaded into the supplied tubes and shipped using our free, overnight UPS envelopes to

DNA Sequencing Lab
Eurofins Genomics
12701 Plantside Drive
Louisville, KY 40299

Free Shipping Kits

One of the best parts about SimpleSeq™ is free shipping and free supplies, such as bags, tubes and barcodes. These supplies come with the kit. Additional supplies can be ordered online through the free, overnight shipping kit.

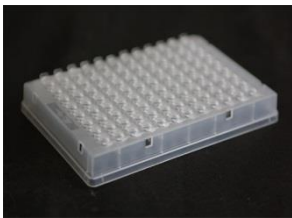
Turnaround Time:

Sequencing data can be accessed the next day, typically by noon.



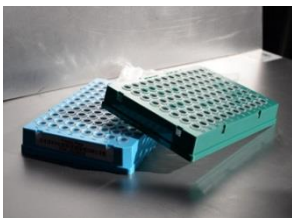
2. Plates

Plate sequencing is the best option for high volume customers. The price per reaction is lower than purchasing single tubes and you can submit large orders with multiple samples. Additional discounts apply to higher volume customers.



Standard Plates

Standard plates offer the greatest balance between quality, flexibility and price.



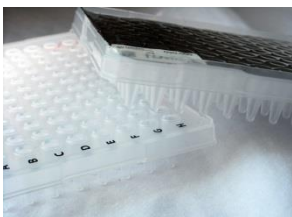
PrePaid Plates

PrePaidPlates is the best option for purchasing managers and non-commercial institutions, such as grant-funded Labs, because you can prepay for the item and use it when ready.



ShortSeq Plates

ShortSeq is a faster, lower-cost plate sequencing service. The trade-off is shorter read lengths, which are typically below 550 bases.



Ready2Load Plates

Ready2Load plates are premixed provide the fastest results because are premixed by the customer and ready to load onto the sequencer on arrival. perform the sequencing reaction for samples post-BigDye Terminator

*All plates require a minimum of 24 reactions per plate to be processed.

*Prepaid items do not include purification, preparation, or other value-added services. Additional fees may apply.

Standard Plates



Plate sequencing is processed on 96-well plates through our logistical hub in Louisville, KY. The turnaround time for samples will depend on the sample type and sequencing service requested.

PrePaid Plates

You will receive a barcoded plate and 96 sequencing reactions which are connected digitally to your account. Each plate type is color-coded for easy identification and workflow.



Purified DNA Plate

- Plasmids or PCR
- Does not include PCR purification or plasmid mini prep
- 96 sequencing reactions
- A blue barcoded PCR plate
- Twelve 8-cap strips for sealing

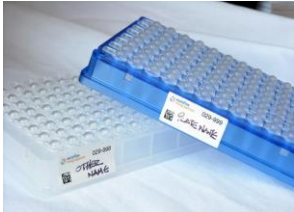


Unpurified PCR Plate

- PCR
- Includes PCR purification
- 96 sequencing reactions
- A green barcoded PCR plate
- Twelve 8-cap strips for sealing

ShortSeq Plates

ShortSeq is our express plate service. Since the plate is run through the sequencer faster, the read lengths are typically shorter than normal plates. The benefit to the customer is speed and lower cost.



Specifications

- Lower Cost
- Results arrive typically by noon the next morning
- Shorter read lengths, typically <500 bp.
- Please use tightly capped plates to ensure no contamination.

Ready2Load Plates

Ready2Load Plates are post-cycled reactions and ready to analyze on arrival. It is the fastest plate option due to the efficiency it offers in the sequencing lab. for samples post-BigDye Terminator reaction. The 'Ready to Load' samples will be loaded and read using standard parameters on Applied Biosciences 3730xL DNA analyzers.

Submission Format: Samples should be submitted in 96-well, v-bottom, full-skirt PCR plates, tightly capped to ensure no inter-sample contamination and shipped to DNA Sequencing Lab, Eurofins Genomics, 12701 Plantside Drive, Louisville, KY 40299.



Specifications

- Lower cost
- Please use tightly capped plates to ensure no contamination.

Plate Submission Format

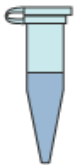
All plate options should be submitted in 96-well, v-bottom, full-skirt PCR plates tightly capped to ensure no inter-sample contamination and shipped to:

DNA Sequencing Lab
 Eurofins Genomics
 12701 Plantside Drive
 Louisville, KY 40299



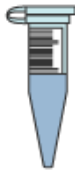
3. Tubes

Tubes are the best option for DNA templates of different types. Although most customers prefer to use SimpleSeq™ for tube submission, we also accept standard tubes from your lab, as long as they meet the submission requirements listed below.



Tubes

Standard 0.75mL up to 2.0mL tubes. Please avoid screw caps. Additional barcode labeling charges may apply if no barcodes are used.



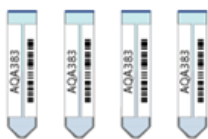
Barcoded Tubes

Standard 0.75mL up to 2.0mL tubes. The advantage of barcoded tubes is online tracking and visibility. You can order free barcodes from our website to attach to your tubes.



8-Strip Tubes

Select the 8-strip option from the tube submission page. The system will automatically generate barcodes based on your initials. Please write these barcodes on the side of your tubes using a sharpie marker. If using the excel upload form, please leave the barcode field empty.



SimpleSeq Tubes

As covered in a previous section, SimpleSeq™ tubes are submitted online on the same page as all other tube types. SimpleSeq™ tubes come pre-labeled with barcodes already.

Turnaround Time

The turnaround time for samples will depend on the sample type and sequencing service requested. Typically, results are available by noon the following day.

Specifications

Template Type	Standard Read	Power Read	Ready to Load
Standard PCR Product	✓		
Standard Plasmid with Insert	✓		
GC/GT-Rich Template		✓	
Templates with Secondary Structure		✓	
Templates with Nucleotide Repeats		✓	
shRNA constructs		✓	
Insert in Vector >20 kbp (e.g., BAC, Cosmid)			
Large Template (for Full Sequencing)			
Publication-grade results			
Ready to Load (Post BigDye® Reaction Template)			✓

Sample submission formats	Accepted by Eurofins Genomics
Custom centrifuge tubes	✓
Eurofins Genomics Barcoded tubes	✓
96-well full-skirt plates	✓
384-well plates	✓
Other formats	Please inquire

Distributed by Fisher Scientific. Contact us today:

In the United States

Order online: fishersci.com

Call customer service: 1-800-766-7000