Sanger Sequencing Sample Submission to Gene Wiz
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December 2015

Following http://www.genewiz.com/public/Sample-Submission-Guideline.aspx

DNA

A good-quality DNA sample will have an OD 260/230 ratio close to 2.0. An OD 260/230 ratio below 1.8 may indicate the presence of carry-over contamination such as salt, ethanol, EDTA, carbohydrates, phenols, guanidine, or TRIzol from the template purification protocol and can inhibit the sequencing reaction. An OD 260/280 ratio lower than 1.8 may indicate the presence of residual proteins. (Samples purified with the Qiagen PCR purification kit should be washed twice with buffer PE).

Primers

Dilute 10uM primers to 5uM before sending 5ul/reaction (25pmol total). Pre-mixed runs will have 5ul of primer combined with the DNA.

Pre-mixed

Mix 10ul of the DNA and 5ul of the primer according to the table below:

DNA Type	DNA Length (include vector)	Template Concentration in 10 µl	Template Total Mass	Your Primer Total Picomoles	Premixed Volume* (Template + Your Primer)
Plasmids	<6 kb	~50 ng / µl	~500 ng	25 pmol	15 µl
	6 - 10 kb	~80 ng / µl	~800 ng		
	> 10 kb	~100 ng / µl	~1000 ng		
Purified PCR Products	<500 bp	~1 ng / µl	~10 ng	25 pmol	15 µl
	500 - 1000 bp	~2 ng / µl	~20 ng		
	1000 - 2000 bp	~4 ng / µl	~40 ng		
	2000 - 4000 bp	~6 ng / µl	~60 ng		
	>4000 bp	Treat as plasmid	Treat as plasmid		

Tubes

Use 8-strip tubes labeling the first of the series “RK01” on the first tube of the strip.

Mailing

Fed Ex to:

GENEWIZ Sequencing
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South Plainfield, NJ 07080