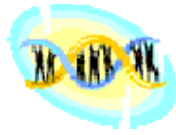


BIOTIC SOLUTIONS

Biotic Solutions offers DNA Sequencing services to Case Western Reserve University researchers through the Biochemistry Stockroom. Please bring your samples to the Drop Box located at the School of Medicine Room W471 Monday-Thursday by 3 pm.

EASE	Use your CASE Speed Type
QUALITY	Reads up to 1000 bases
SPEED	24-48 hour turnaround
SAVINGS	110 universal primers- FREE
FREE TROUBLESHOOTING/ REPEATS	



BIOTIC SOLUTIONS

DNA SEQUENCING SAMPLE PREPARATION

We accept DNA sequencing samples and primers either in separate tubes or pre-mixed. DNA template and primer should be in either PCR tubes or 96-well plates, if possible. Please label your tubes on the side with the corresponding sample name and place caps tightly. Please use 8 strip PCR caps when using 96 well plates. Please email dnaseq@bioticsolutions.com with any questions.

SEPARATE DNA template and primer recommended. Please see our list of universal primers.

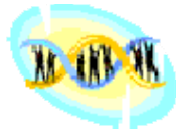
Template Type	Template Concentration	Template Volume	Primer Concentration	Primer Volume
Plasmid	50 ~ 100 ng/μl	10 μl	5 μM	10 μl
PCR	>2 ng/μl	5 μl	5 μM	10 μl
Cosmid, BAC	1000 ng/μl	10 μl	5 μM	10 μl
Bacterial Genomic DNA	1000 ng/μl	10 μl	5 μM	10 μl

PRE-MIXED DNA template with primer added. Please see above concentrations.

Template Type	Total Amount of Template	Total Amount of Primer	Total Volume (Template+Primer)
Plasmid	500 ng	9 pmol	15 μl
PCR (100-500 bp)	10 ng	9 pmol	15 μl
PCR (500-1000 bp)	20 ng	9 pmol	15 μl
PCR (>1000 bp)	50 ng	9 pmol	15 μl

www.bioticsolutions.com

(216) 235-6074



BIOTIC SOLUTIONS

SUBMISSION RECOMMENDATIONS

To ensure quality sequencing results, please purify your plasmid DNA and elute the DNA in water or Tris (1 to 10 mM, pH 8.0) Since EDTA interferes with sequencing reaction, please do not use TE (containing Tris and EDTA) buffer in the DNA prep for sequencing. The integrity of the DNA can be checked by agarose gel electrophoresis. Please send a gel picture of the template DNA with your samples, if available. Please call us at (216) 235-6074 with any questions.

How to submit samples:

1. Please go to www.bioticsolutions.com and go to *Forms* to download the DNA sequencing submission form. Save it onto your desktop for future use.
2. Fill out the form completely using the email address where you would like to receive notification that your data is ready.
3. Email the completed submission form to dnaseq@bioticsolutions.com.
4. Print a copy of the form to send with the samples.
5. Please make sure samples are clearly labeled and capped tightly.
6. Drop your samples and submission form into your designated drop box.

How to retrieve data:

1. You will receive an email notifying you that your data is ready within 24 to 48 hours of receipt of your sample.
2. Please click on the link that will bring you to a site where you will download your data.
3. Type in your email and password. Your email is the same address that you used when you submitted your samples. Your password is your CASE Speed Type. To insure the highest level of quality control, please do not change your password.
4. Go to Download Sequences at the top right side of the page and select it.
5. In order to view your data, please use one of the free viewers that can be accessed through our website at www.bioticsolutions.com. You will need to download the viewer and run it before dragging and dropping your .ab1 files into it for viewing. Your chromatogram can be printed using a color printer, if you desire.
6. We suggest you create a folder to store your DNA sequencing data, however they will be stored on our server for 30 days for you to access at your leisure.