

USDA, ARS, ERRC, Integrated Biomolecular Resources ERRC DNA Sequencing Request Form

Please complete and include the request form with the samples along with a separate page listing the name and concentration of each template and primer. 96-well plates are best submitted with Excel spreadsheets showing the well location of the templates and primers. E-mailing a copy of the spreadsheets will expedite the processing of all samples. Label tubes to exactly match the names of the templates and primers on the page list. Names should be limited to 8 alphanumeric characters.

JOB NUMBER: _____
(Assigned by IBR)

Submission Date: _____

Submitted by: _____

CRIS #: _____

Approved by Lead Scientist: _____
(Signature)

Indicate the number of templates of each DNA type submitted in either plates or tubes

DNA Type

Container

PCR Product 96-well Plates: _____ Tubes: _____

Plasmid 96-well Plates: _____ Tubes: _____

Cosmid 96-well Plates: _____ Tubes: _____

Number of custom primers submitted: _____

Store for future use (yes/no)? _____
(6 months maximum time)

If using standard primers maintained by the IBR, verify that the vector is compatible with our standard primer sequence.

Total number of DNA sequencing reactions requested: _____

Estimated turn-around time: _____
(Determined by IBR)

Use this table to determine the concentration and volume of template and primer required for a DNA sequencing reaction. Templates and primers must be provided in DI water or 10mM Tris buffer, not TE. When requesting multiple sequencing reactions from the same template or primer DNA, please add 2 μ l to the minimum volume for each additional reaction.

Template Type	Template Concentration	Template Minimum Volume	Custom Primer Concentration*	Custom Primer Minimum Volume
PCR Product < 1kb	15-40 ng/ μ l	10 μ l	3.2 μ M*	10 μ l
PCR Product 1-2kb	20-60 ng/ μ l	10 μ l	3.2 μ M*	10 μ l
Plasmid	80-150 ng/ μ l	10 μ l	3.2 μ M*	10 μ l
Cosmid	0.5-1.0 μ g/ μ l	15 μ l	10 μ M*	15 μ l

*pmol/ μ l