eurofins | Genomics

SAMPLE SUBMISSION GUIDE

Re-Sequencing of Genomic Fragments

Sending samples and data according to the requirements below helps us to do our job better and provides you with accurate results!

Samples for re-sequencing projects can be genomic DNA, established PCR products, tissues, cell cultures, cDNA and RNA.
gDNA isolation for tissues and cell cultures as well as a first strand cDNA synthesis for RNA samples is provided upon request.

Sample Submission

- Use **1.5 ml safe-lock tubes** or **96well plates** for your samples
- **Do not tape or wrap tubes** with parafilm. Safe-lock tubes offer perfect sealing and evaporation protection
- Use **8-cap strips** for plate sealing especially for liquid samples
- Do not seal liquid samples with adhesive
- Tissues, cell cultures, cDNA and RNA samples should be sent **frozen on dry ice**

If the PCR fragments have already been established, just provide us with the PCR conditions and primers.

Sample Preparation

Use the following concentrations and volumes below for your samples

Sample Type	Product Length	Concentration per Amplicon	Amount per Amplicon
Genomic DNA	--	Min 5ng/µl	30-100 ng
Purified PCR Products	<1000 bp	Min 1 ng/µl	5 ng
Purified PCR Products	1000-5000 bp	Min 2 ng/µl	10 ng
Purified PCR Products	> 5000 bp	Min 4 ng/µl	20 ng
Unpurified PCR Products	< 1000 bp	Min 1 ng/µl	10 ng
Unpurified PCR Products	1000-5000 bp	Min 2 ng/µl	20 ng
Unpurified PCR Products	> 5000 bp	Min 4 ng/µl	40 ng
cDNA / RNA	--	please inquire	

Quantify your template concentration via agarose gel or a photometer to ensure accurate results.
Complete sequence information of the regions to be analysed and all exon/intron boundaries is required for all re-sequencing projects. Provide us with this information by stating the transcript ID and the relevant Exon IDs from the Ensembl database.