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Guidelines for DNA Sample Submission

We understand that every sequencing result and turnaround time is critically important for you to proceed to the next step of your research. Please review the following information for details on how to submit DNA samples to ACGT, Inc.

Full Sequencing Analysis

1. We accept purified plasmid, bacterial clones, PCR DNA, purified or unpurified, BAC DNA for analysis.
2. We require plasmid or PCR DNA as follows:

Template DNA	Amount of DNA	Concentration
Plasmid DNA	1 µg per kb	> 25 ng/µl
PCR DNA	500 ng per kb	> 25 ng/µl

3. Reference sequences should be provided in FASTA format.
4. Please include a photograph of the template DNA with the quantity of the DNA loaded and a molecular marker with the order.

Bacteria with BAC or Cosmid for Large Insert Sequencing

1. Sponsor should submit at least 100 µl of glycerol stock grown in LB media with 10% glycerol for large insert sequencing.
2. Although different types of containers are accepted for sample submission, 1.5 ml or 650µl microfuge tube is recommended. Glycerol stocks should be submitted via frozen package.
3. Reference sequence for each sample, if available, should be provided in FASTA format.

Purified BAC or Cosmid for Large Insert Sequencing

1. Each sample should contain at least 50 µg of purified DNA, preferably processed using QIAGEN Large Construct kit.
2. DNA templates should be of high molecular weight. Sample can be submitted as a pellet or resuspended in water or alcohol.

DNA Samples For Shotgun Sequencing

1. Sponsor should submit at least 200 µg of purified DNA template for shotgun sequencing.
2. DNA templates should be of high molecular weight. Sample can be submitted as a pellet or resuspended in water or alcohol.

GLP-Compliant Protocol Study Test Articles

1. Sponsor should submit all Test Articles (PCR products, plasmids, cells, etc.) for GLP-compliant protocol studies in frozen package.
2. Information on Sample ID, sample collection documentation, and packaging information should be submitted along with samples.
3. Upon receipt, the integrity of sample containers will be checked by analysts and relevant information will be recorded on sample log-in record or laboratory notebook.