

## DNA Sequencing Service Basic Sample Prep

### TEMPLATE RECOMMENDATIONS FOR DNA SEQUENCING:

#### Template preparation guidelines:

1. Concentration and amount of template

DS plasmid DNA 100-300 ng/ $\mu$ l; 1  $\mu$ g/direction

SS or phagemid DNA 50-100 ng/ $\mu$ l; 500 ng/direction

PCR fragment 10-20 ng/ $\mu$ l for every 200 bases of length. (25-50 for every 500bp PCR length, etc)

Please always give sufficient DNA/primer for **two sequencing reactions**. This allows us to repeat a sample -in case of technical failure- without having to contact you for more sample.

2. For plasmid template preparation, we recommend using [Qiagen QiaPrep plasmid kit](#). Both give you the best results. In addition to Qiagen procedures, CsCl DNA preps and the Promega Wizard DNA purification system yield high quality template DNA.

3. Concentration of template should be based upon OD260 and verified by agarose gel electrophoresis.

4. Template should be in sterile distilled H<sub>2</sub>O (preferred) or TE (10mM tris, pH 8.0, 0.1mM EDTA).