



Sanger Sequencing

Please bring your samples in 1.5 ml Eppendorf tubes

DNA Preparation:

Required volume: 10 μl per reaction

Required concentration:

Plasmid- 100 $\text{ng}/\mu\text{l}$ (min 60 $\text{ng}/\mu\text{l}$; max 200 $\text{ng}/\mu\text{l}$)

PCR product- 30 $\text{ng}/\mu\text{l}$ (min 20 $\text{ng}/\mu\text{l}$; max 50 $\text{ng}/\mu\text{l}$)

BAC- 500 $\text{ng}/\mu\text{l}$

DNA Requirements:

All samples should be dissolved in DDW

Nanodrop 260/280 = 1.8-2.0

If your DNA sample is GC-rich (>70%) you must indicate this in your order

Primer Preparation:

Required volume: 5 μl per reaction

Required concentration: 5 $\text{pmol}/\mu\text{l}$ (5 μM)

Primer Requirements:

All primers should be dissolved in DDW

18-22 bases with 50-60% GC content

Melting point (T_m) = 50-60 $^{\circ}\text{C}$