1st BASE DNA Sequencing Service Quick Guide

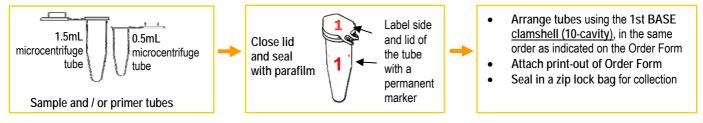


1. Sample Preparation Requirements

Sample	Required Concentration & Volume		Primer	Required Concentration & Volume
Purified PCR Product [90-250 bp]	10 ng/µL, min 20 µL per reaction in dH ₂ O			10 pmol/µL or 10 µM, min 10 µL per reaction in dH ₂ O
Purified PCR Product [251-500 bp]	20 ng/µL, min 20 µL per reaction in dH ₂ O		Sequencing Primer	30 pmol/µL or 30 µM, min 10 µL per reaction in dH ₂ O (Applicable for Direct Genomic Sequencing only)
Purified PCR Product [>500 bp]	40 ng/µL, min 20 µL per reaction in dH ₂ O			
Purified Plasmid	100 ng/µL, min 20µL per reaction in dH ₂ O		OTHERS	Required Concentration & Volume
Purified M13 ssDNA	50 ng/µL, min 20 µL per reaction in dH ₂ O		Primer Walking [≤ 3 kb]	100 ng/µL, min 60 µL per sample in dH ₂ O
Purified Genomic DNA	400 ng/µL, min 30 µL per reaction in dH ₂ O		Primer Walking [> 3 kb]	Whole bacterial colony OR 100 ng/µL, min 60 µL per sample in dH ₂ O

Packing of samples and / or primers (Note: Please ensure the following to prevent delays in processing 2. orders)

a) Tube Sample Submission



b) Plate Sample Submission

Strip-capped plates are highly recommended. Do not seal plate with sealing film, sealing mat, flat cover / lid as these do not provide adequate seal for each well and might result in cross-contamination or leakage. As a result, the quality of sequencing results might be compromised.



Place samples properly into 96-well plate, seal tightly with strip cap

- Attach print-out of Order Form to plate
- Seal in a zip lock bag
- Notify 1st BASE distributor for collection

Sending Orders (Note: Please ensure the following to prevent delays in processing of orders) 3.

Provide concentration of purified samples in ng/uL and/or labeled gel photo (after purification)

- If gel photo is provided, indicate:
- lane no. of sample and DNA ladder - name of sample and marker e.g. 1kb ladder, 100bp ladder]
 - volume of sample and DNA ladder loaded per lane

Wrap plate or tubes with bubble wrap before shipping. For bulk shipment, pack plates in box.