

1st BASE DNA Sequencing Service Quick Guide

A. Online Submission of Orders

- Step 1 Log in to <https://order.base-asia.com> with User ID & Password
 Step 2 Key in Template / Primer data
 Step 3 Print system-generated Order Form
 Step 4 Attach Order Form to the 1st BASE Sample Collection Card

Register a new user account on 1st BASE Online Ordering:-

- ★ Log in to <https://order.base-asia.com>
- ★ Click "New User" & register contact details. A User ID & system generated password will be sent via email.

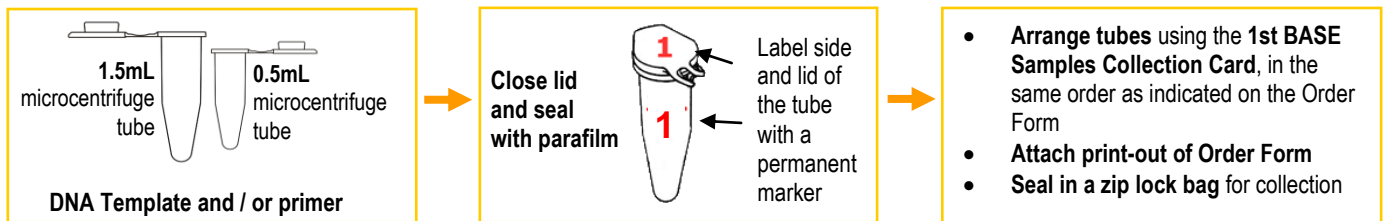
B. Sample Preparation Requirements

DNA Template	Required Concentration & Volume
Purified PCR Product [90-250 bp]	10 ng/μL, min 10 μL per reaction in dH ₂ O
Purified PCR Product [251-500 bp]	20 ng/μL, min 10 μL per reaction in dH ₂ O
Purified PCR Product [>500 bp]	40 ng/μL, min 10 μL per reaction in dH ₂ O
Purified Plasmid	100 ng/μL, min 10 μL per reaction in dH ₂ O
Purified M13 ssDNA	50 ng/μL, min 10 μL per reaction in dH ₂ O
Purified Genomic DNA	400 ng/μL, min 20 μL per reaction in dH ₂ O

Primer	Required Concentration & Volume
	10 pmol/μL or 10 μM, min 5 μL per reaction in dH ₂ O
Sequencing Primer	30 pmol/μL or 30 μM, min 5 μL per reaction in dH ₂ O (Applicable for Direct Genomic Sequencing only)
OTHERS	Required Concentration & Volume
Primer Walking [≤ 3 kb]	100 ng/μL, min 50 μL per sample in dH ₂ O
Primer Walking [> 3 kb]	Whole bacterial colony OR 100 ng/μL, min 50 μL per sample in dH ₂ O

C. Packing of DNA Template and/or primers

(i) Tube Submission



(ii) Plate 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.



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

