

DNA Sanger Sequencing Service

Features of 1st BASE DNA Sequencing Service

- ISO/IEC 17025:2017 accredited testing laboratory that meets global standards for quality and competency.
- DNA sequencing service for all kinds of sample material (unpurified/purified) submitted in tubes or plates.
- High-quality, consistent long read lengths of up to 1000 bases.
- Fast turnaround time.
- Wide range of complementary Universal Primers.
- Storage for DNA and synthesised primers are available.
- Prompt technical support and consultations.
- Leading provider for difficult template sequencing (high GC, homopolymer).



SAMM 1084

1st BASE Core Sequencing Services Built For You

SS1001- Single Pass DNA Sequencing

Customers to provide purified PCR product or plasmid DNA. For plasmid or long PCR products, we guarantee **minimum of 850 bases** from a good quality template in a single reaction.

SS1002 - High Throughput Single Pass DNA Sequencing, 96-well format

Customers are to provide purified PCR products or plasmid DNA. Leave well H12 empty, 95 samples with normalized OD. For plasmid or long PCR products, we guarantee a **minimum of 850 bases** from a good quality template in a single reaction.

SS1201 - DNA Sequencing+ PLUS

Customer to provide single band unpurified PCR product. For unpurified long PCR product, we guarantee **minimum of 1,000 bases** from a good quality template in a single reaction.





Sample Requirement

Product No.	Type of DNA Template	Concentration/ General Guideline	Volume/ Weight
SS1001 SS1002	Purified PCR Product [90-500bp] Purified PCR Product [501-1500bp] Purified PCR Product [>1500bp] Purified Plasmid (<4kb) Purified Plasmid (4kb to 10kb) Purified Plasmid (>10kb) Purified M13/ phagemid ssDNA Bacmid DNA	5 ng/μL 20 ng/μL 30 ng/μL 50 ng/μL 80 ng/μL 100 ng/μL 50 ng/μL 400 ng/μL	10 μL for local customer 15 μL for International customer
SS1201	Unpurified PCR products Excised Gel Band	Visible single DNA band on Agarose Gel with 1 µL of volume Visible DNA band at the required target size on agarose gel	20 μL <250 mg

Type of Primer	Required Concentration	Total of Reaction	Required Volume
Sequencing Primer	10 μΜ	ī	10 µL
		10	25 μL
		20	50 μL

Sample Submission

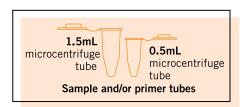
For tube submission, make sure the label of the tubes matching the order form to avoid delay process of order.

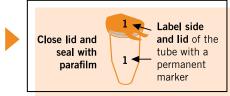
If gel photo is provided, indicate:

- Lane no. of DNA template and DNA ladder
- Name of DNA template and marker [e.g. 1kb / 100bp ladder]
- Volume of DNA template and DNA ladder loaded per lane

Notify 1st BASE for sample pick-up OR provide courier tracking no. [for outstation customers]

Packing of Samples





- Arrange tubes in the same order as indicated on the Order Form
- Input your online ID on the collection card/
- Seal the ziplock bag or the cryobox, ready for collection



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