

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).



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]	5 ng/μL	10 μL for local customer 15 μL for International customer
	Purified PCR Product [501–1500bp]	20 ng/μL	
	Purified PCR Product [>1500bp]	30 ng/μL	
	Purified Plasmid (<4kb)	50 ng/μL	
	Purified Plasmid (4kb to 10kb)	80 ng/μL	
	Purified Plasmid (>10kb)	100 ng/μL	
	Purified M13/ phagemid ssDNA	50 ng/μL	
SS1201	Bacmid DNA	400 ng/μL	20 μL <250 mg
	Unpurified PCR products	Visible single DNA band on Agarose Gel with 1 μL of volume	
	Excised Gel Band	Visible DNA band at the required target size on agarose gel	

Type of Primer	Required Concentration	Total of Reaction	Required Volume
Sequencing Primer	10 μM	1	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

1.5mL microcentrifuge tube
0.5mL microcentrifuge tube
Sample and/or primer tubes

Close lid and seal with parafilm
Label side and lid of the tube with a permanent marker

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



Need More Information or Want to Consult About This Service?

Chat with us via WhatsApp Business!

We're happy to assist with product details, quotations, or technical consultations.

Scan QR Code or go to: linktr.ee/genetikascience

