Internal

INDIAN INSTITUTE OF TECHNOLOGY MADRAS

☐ **DNA SEQUENCING** ☐ **REAL-TIME PCR**

Name		**Date**	**:**
Department		**Phone no :**	
Institute			
E mail ID			
Address			
Cost	**Sequencing:** Rs. 320/sample **Real-time PCR:** 500/hr		

Information about your samples

	S. No	Template				Primer			
		Sample name	Sample type (Plasmid/ PCR)	Quantity (ng/µl)	Plasmid size [bp]	Primer Name	Type (F/R)	Conc. of Primer (pmol/µl)	Tm (^{o}C)
PI Name:						**PI Signature:**			

Sample Requirements for sequencing:

- DNA concentration should be measured by Gel estimation and Gel photograph should be attached with clear labelling like sample name and how much µl loaded in each well.
- Data output: Electrophorogram and sequence in text file will be sending through email.

Template Quantity:

Template	Quantity
PCR Product: 100-200 bp 200-500 bp 500-1000 bp 1000-2000 bp	 1-3 ng/ µl 3-10 ng/ µl 5-20 ng/ µl 10-40 ng/ µl
Single Stranded	25-50 ng/ µl
Double Stranded	150-300 ng/ µl
Cosmid, BAC	0.5-1.0 µg/ µl
Bacterial Genomic DNA	2-3 µg/ µl

PCR Products:

- PCR product must be purified & volume should be 10µl. Plasmids:
- Template conc. should be 150-200 ng/µl and minimum volume should be 10µl.

Primer:

- Primer conc. shoud be 5-10 pmol/ µl, and minimum volume of 10 µl.
- Provide 5µl of more primer for every additional reaction.

Special Instructions:

- Please submit samples in 1.5ml micro centrifuge tube.
- Please do not use Tris EDTA buffer for eluting/dissolving your samples.
- Please indicate if your samples have high GC content.

Real- time PCR:

- Instrument usage charges Rs.500/hr (for prepared assay mixture in 96 well plate)

Form C- 5

TESTING FOR INTERNAL PROJECTS

Title of the Project : Molecular & Imaging Testing

Project No: IT/15-16/BIO/003/AAAA/SMAH

Coordinator Name : Dr.S.Mahalingam

Department : Biotechnology

User Details:

Name:

Department :

Date :

Test Details:

Rate:

Sample details:

Instructions:

Payment instructions:

1. Cost Details :
2. Approval for Internal Transfer:
3. Project No:
4. PI Name:

PI Signature

Signature of In-charge of Test

FOR IC&SR OFFICE USE