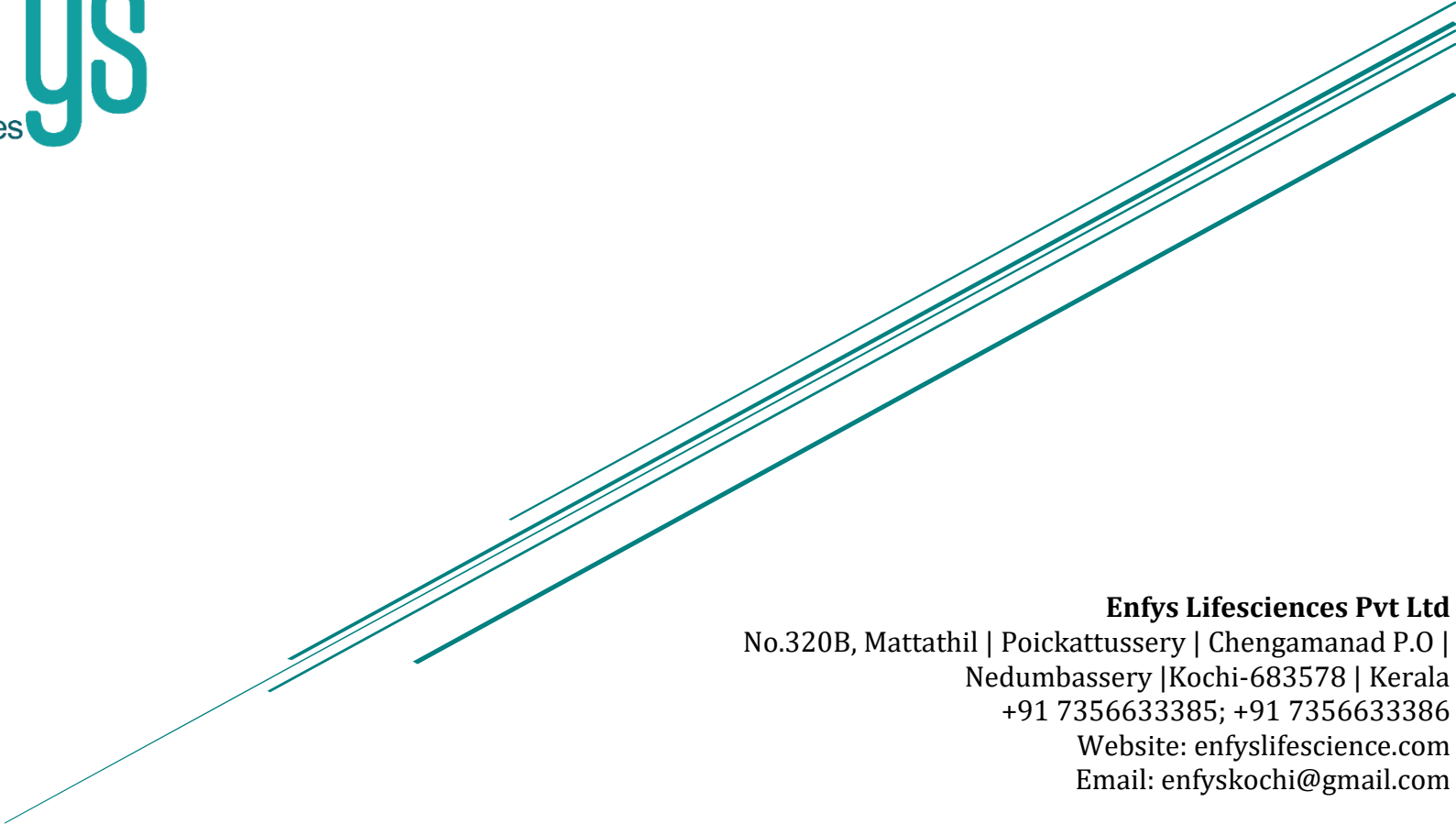


SAMPLE SUBMISSION GUIDELINES

A series of five parallel teal lines that originate from the bottom left and extend diagonally towards the top right, crossing the contact information.

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Customer Details:

Name of Customer*	
Contact address*	
Billing Address*	
Name and Contact number * (of the person responsible to give the details related to the sample)	
E-mail ID*	
Quote No/PO# and Date*	
Signature of the customer*	

Sample type: Plant

Sl. No	<u>Sample code</u> *	<u>Sample sub-type</u> * (Leaves/Root/flo wer/buds etc.)	<u>Nature of Sample:</u> * Fresh / Frozen	<u>Preservation done in:</u> * ethanol (96%) /RNA Later	Period after sample collection * (Months)
1					
2					
3					
4					
5					

Precautions to be taken during preparation and submission of samples

- **We prefer fresh sample for better results**
- **Contamination in Samples may result in failure of sequencing reaction.**
- **The samples should be properly labelled**
- **Seal the tubes properly with parafilm**
- **If you are sending your Samples in glass vials/glass tubes, please ensure that you pack them with enough packing material and give all precautions to avoid breakage of the glassware during transit**

- breakage of the glassware during transit

Sl. No	Sample code *	Name of the gene to be sequenced	Size of the gene (bp) *	Sequencing to be done in one Direction or two Direction (1D/2D) *	Primer provided (Y/N) *	Mention the name of any Universal Primers to be used	Primer sequence *	Primer volume provided *	Primer concentration (pmol/ul) *	Annealing temperature of the Primer *
1										
2										
3										
4										
5										

Important Details required for Sequencing

General Instructions on Primers for sequencing

- Use molecular biology grade water or Tris buffer for dilutions
- Provide primer sequence if primers are provided from your end.
- Primer concentration should be 10pmol/μl

- Primer requirement; volume 10µl (Minimum)
- For every additional reaction supply 5µl each of primer and template at above mentioned concentration.
- Please make sure that your primer can adequately bind to your template. Insufficient primer binding often leads to poor- quality results.

Optimal Sequencing Primer Characteristics:

- Primer length should be between 18-25 bases length
- GC content should be between 45%-55%
- T_m should be in the range of 50°C- 60°C
- We won't accept RAPD primers or degenerate primers for sequencing
- Have a G or C at 3' end
- 3' end is complementary with your template

Special points to be considered:

IMPORTANT:**Samples will be rejected if they have been received in the following conditions**

- Broken tubes and plates (PCR tubes/Microcentrifuge tubes/ culture slants/storage vials)
- Samples without proper labelling
- Petri plate without proper sealing
- Very low sample volume than the requirement
- Contaminated culture plates for DNA/Plasmid isolation.

Disclaimer

Any damage caused to the samples during transit will not be our responsibility.