

RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY

REGIONAL FACILITY FOR DNA FINGERPRINTING

Thycaud P.O., Thiruvananthapuram – 695014, Kerala, India

Phone: (Direct line) : 0471 – 2340970, 2529569

EPBAX : 0471 – 2529400 Ext. 569

FAX : 0471 – 2344564 E-mail: rfd@rgcb.res.in

website : www.rgcb.res.in

Application for DNA barcoding/Microsatellite fingerprinting

1. Nature of material : Plant/Animal
2. Type of analysis : DNA Barcoding Microsatellite fingerprinting
3. Name of the intender :
- Address :
- Phone (O) :
- Mobile :
- E-mail :
4. Affiliation :
5. Purpose : Academic/Research
6. Samples
 - a) Total Number of Samples :
 - b) Sample Details (Use additional sheets, if needed)

Sample Number	Sample Code	Species/Genus	Type of Tissue	Approximate Weight of Tissue	Remarks
1					
2					
3					
4					
5					
6					

7. Primer Sequence Details (For microsatellite analysis / if available for barcoding)

Enclose the list of loci/targets and primer sequence in the following format;
soft copy to be sent upon intimation

Example						
Sl. No.	Name of Loci/Target	Primer Name		Sequence (5' → 3')	Length/ No. of bases	Reference/Remarks
1	RM1	Forward	RM1-F	GCGAAAACACAATGCAAAAA	20	Molecular & General Genetics, 1996, vol. 252, pp. 597-607
		Reverse	RM1-R	GCGTTGGTTGGACCTGAC	18	

8. a) Cost of DNA barcoding : ₹
- b) Cost of Microsatellite assisted fingerprinting : ₹
- (Refer cost estimates provided for details)
9. Any other information the applicant wishes to convey:

Place :

Date :

Signature of the Applicant

For office use only

Application No. :

Cost Estimate : ₹.....

Verified :

Mr. Suresh Kumar U (DNA Examiner)

Recommended and forwarded :

Dr. George Thomas (Chief Scientific Officer)

Director's Approval :

Date :

Number of Samples : Sample condition :

Samples Received by : Date :

Payment details

Amount : ₹ Demand Draft No. / RFDF Cash Receipt No.....

Dated drawn on (Name of the bank, if DD).

Date of final result sent :

Remarks, if any :

Signature of Chief Scientific Officer :

Terms and Conditions

Plant DNA Fingerprinting and Plant/Animal Barcoding Services

1. Application form for Plant DNA fingerprinting and DNA barcoding services can be downloaded from the RGCB website.
2. Send the duly-filled application form to 'The Director, Rajiv Gandhi Centre for Biotechnology, Poojappura, Thycaud P.O., Thiruvananthapuram-695014, Kerala, India'.
3. All applications shall be scrutinized and detailed cost estimates will be intimated by e-mail. Upon acceptance samples and soft copy of primer details should be sent addressing 'The Director'.
4. Total cost for the analysis along with the service tax as applicable should be paid in advance either as DD drawn in favour of The Director, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram or in cash at the RFDF cash counter.
5. In all correspondence, the envelope should be superscribed in bold letters as "RFDF-APPLICATION FOR DNA FINGERPRINTING/BARCODING SERVICES".
6. Samples received in good condition only be analysed and will be intimated to the applicant if they are to be replaced.
7. Cytochrome C Oxidase Subunit I (COI) target will be used for animal DNA barcoding. However, additional targets such as 16S rRNA can be included as per the request from applicants.
8. For plant DNA barcoding *matK* and *rbcL* targets will be analysed. Additional targets (ITS or *psbA-trnH*) can be tested as per request.
9. Minimum of three geographically distinct accessions per species are recommended for generating a species barcode.
10. Time needed for analysis will depend on the number of samples and complexity of the species analysed.
11. Full experimental details and protocols will be provided with the final result.
12. Director, RGCB reserves the right to reject any application, without assigning any reasons.