



## Regional Facility for DNA Fingerprinting (RFDF)

Human, Animal and Plant DNA fingerprinting  
DNA Barcoding Services  
Training in DNA Forensics and Academics



**Rajiv Gandhi Centre for Biotechnology**

Thiruvananthapuram, Kerala

An Autonomous Institute of Government of India  
Ministry of Science & Technology  
Department of Biotechnology

*We offer.....*

*DNA Fingerprinting for human identification*

*DNA barcoding services*

*DNA Fingerprinting of Animals and Plants*

*Short-term training in DNA fingerprinting*

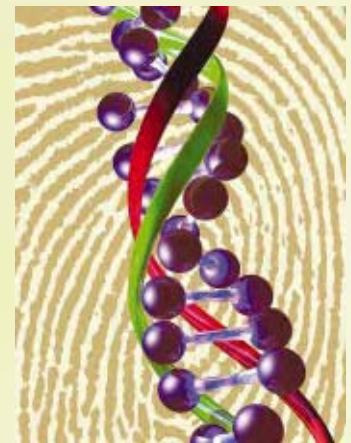
### *DNA Fingerprinting for Human Identification*

#### *Areas of Application*

- in cases of maternity/paternity disputes
- in cases of alleged rape
- for linking suspects to biological evidence at crime scenes
- to identify deceased
- to identify missing children
- for child swapping cases in hospitals
- in personal identification for immigration purposes

#### *Samples*

- *Maternity/paternity disputes, child-swapping cases, immigration purposes.*  
Blood of father, mother and offspring, either fresh or on FTA cards.
- *Alleged rape cases and linking suspects to crime sites*  
Forensic exhibits viz., stained garments, vaginal swabs, body fluids & slides, and any other biological evidence from the crime scene along with blood (either fresh or on FTA cards) /tissue of the suspect and the victim.
- *Deceased*  
Blood (either fresh or on FTA cards) of the nearest relations viz., mother, father, husband, wife and children along with material objects of the deceased like bone, muscle tissue, teeth, hair with root, and other materials relevant to the case.



## Sampling Procedure

### Blood

Fresh blood will be collected from individuals concerned at RFDF on working days (Monday to Friday) between 9.00 am and 5.00 pm or blood can be sent on FTA cards. FTA cards and the procedure for collection and shipment of bloodstains will be provided upon request.

### Forensic Exhibits

**Blood stains** : Wrapped with a dry paper or cloth.

**Teeth, hair with root, bones (intact):** Wrapped with a dry paper or cloth  
(completely burnt bones and ash are not useful for analysis).

**Vaginal swabs** : The dried cotton swab should be placed in a clean dry glass vial/bottle.

**Muscle tissues** : About 100 gm of muscle tissue should be sent in a clean glass bottle/plastic container with absolute alcohol or 0.9% normal saline (sold in medical shops) on ice or in crystal salt as a preservative.

### Important

Tissue samples should not be preserved in formalin. All samples should reach RFDF as early as possible after collection.

## Legal Requirements

Only requests from Courts of Law and Women's Commission will be accepted for paternity disputes. For crime investigations, requests will be accepted from Honourable Courts and State/Central crime investigation agencies.

Duly filled Forwarding note and Identification form should be sent along with the samples/brought with the persons who appear in person for blood donation.

Forms can be downloaded from RGCB website ([www.rgcb.res.in](http://www.rgcb.res.in))

## Sample Delivery

All the samples should be properly sealed and sent to RFDF in the following address either by post or by person, under certification along with specimen seal for comparison. The samples should reach RFDF between 9.00 am and 5.00 pm on any working day (Monday to Friday).

The Director, Rajiv Gandhi Centre for Biotechnology,  
Thycaud P.O., Thiruvananthapuram-695 014, Kerala, India.

## Result Dispatch

Report of the test will be dispatched to the forwarding authority directly within 21 days. No interim enquiries shall be entertained

## Service Charges

RFDF charges only service fees for investigations.

Paternity testing (child, mother and alleged father)	: Rs. 20,000/-
Each additional Individual	: Rs. 5000/-
Forensic samples	: Rs. 5000/- per sample

All Payments should be made in advance by DD drawn in favour of Director, RGCB, Thiruvananthapuram or paid in cash at the RFDF cash counter. Charges will not be refunded once the samples have been collected.

*The DNA fingerprinting results will be dispatched only on receipt of the full payment*

## Deposing Evidence by DNA Expert from RFDF in the Honourable Court of Law

- Personal security of the expert has to be ensured from the time of his arrival until his departure.
- Air or A/C 2-tier train fare and DA would have to be paid as per government rules and entitlement.
- The expert should be escorted from and to the railway station/airport and accommodated in a government guesthouse or equivalent best available hotel.
- The payment is to be made by the forwarding agency to the expert before his departure from the Honourable court.
- RGCB may kindly be provided with a copy of the judgment of the Honourable Court if any, pertaining to the case.



### **DNA Fingerprinting of Animals and Plants \***

Using RAPD, AFLP and microsatellite markers

- for genetic diversity studies
- for species/population/variety discrimination
- for hybrid seed testing

### **DNA Barcoding Services \***

- Cox I based identification of fauna
- Species identification in wild life forensics
- DNA barcode development in academic research

### **Short-term Training in DNA Fingerprinting \***

- For academic and forensic personnel
- For two to four weeks duration
- Hands on interactive methods

\* Contact RFDF for service charges and other details



### **Enquiries**

*For questions on administrative procedures and legal requirements:*

The Case Registrant  
Regional Facility for DNA Fingerprinting  
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### **For all technical queries**

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Thiruvananthapuram - 695 014, Kerala, India. **Or**  
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***We follow...***

*Internationally validated methods, equipments,  
software & procedural code for human identifications  
to ensure the confidentiality and accuracy.*



**Rajiv Gandhi Centre for Biotechnology**

AN AUTONOMOUS NATIONAL INSTITUTE

Thiruvananthapuram

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