

## **PROCEDURES FOR COLLECTION & FORWARDING OF SAMPLES FOR DNA FINGERPRINTING ANALYSIS**

DNA fingerprinting technology today has made it possible to identify the source of biological samples found at scenes of crime and also to resolve disputes of Paternity and Maternity. The Laboratory of DNA Fingerprinting Services of **CDFD** provides services to various investigating agencies to resolve cases of Maternity / Paternity disputes, Identification of rapist(s), linking the suspects to biological evidence found at the crime scene in murder cases, Identification of mutilated remains of deceased, Identification of missing child / child-swapping cases in hospital wards. This leaflet has been prepared to disseminate information to the investigating officers/judicial authorities/medical officers about the process of evidence collection, preservation and forwarding of the samples for DNA fingerprinting analysis. The procedures described here are simple, time tested and most suitable for Indian conditions. The samples should be collected in the way prescribed below and sent to **CDFD**.

For the establishment of maternity/paternity, we require the bloodstains of the mother, disputed child and the alleged/suspected father.

For the Identification of rapist in sexual assault cases, we require the forensic exhibits (viz., garments, vaginal swabs and slides) along with the bloodstains of the suspect(s) and victim.

For the Identification of deceased, we require the bloodstains of the nearest relatives (viz., mother, father, brother, sister and children) along with the material objects of the deceased like teeth, post-mortem blood, muscle tissue, bone, hair with root and other material relevant to the case.

The blood samples of the concerned persons can be collected on the bloodstain cards (stains have to be put within the two circles of the bloodstain card). The bloodstains of the concerned persons can be collected by any qualified Medical Officer in the presence of Hon'ble Judicial Magistrate, air-dried and sent to CDFD, along with the specimen seal for comparison. The procedure for collection and shipment of bloodstains on bloodstain cards are given in the annexure.

The forensic exhibits should be sent as mentioned below:	
Bloodstains	Wrapped in a dry paper or cloth
Muscle tissue	About 100 grams of muscle tissue should be sent in a clean glass bottle/plastic container with 0.9% DNS (normal saline sold in medical shops) on ice or in crystal salt (sodium chloride) as a preservative. <b>Tissue samples should not be preserved in formalin.</b>
Vaginal swabs	The dry cotton swab should be placed in a clean dry glass vial/bottle
Teeth, Hair with root and Bones (intact)	Wrapped in a dry paper or cloth Completely burnt bones, bone ash, pieces of bones and decomposed tissue are not useful for analysis
All the samples should be properly collected and sealed and sent to CDFD under certification along with specimen seal for comparison. <b>The samples should reach CDFD between 10:00 am to 5:00 pm on any working day (Monday to Friday).</b>	

On request, necessary blood collection material kit (blood lancet and bloodstain cards) and prescribed formats (identification forms and forwarding note) will be provided by **CDFD** to the concerned authorities.

The prescribed formats need to be submitted duly filled-in along with the samples. An extra **attested** passport size photograph of each individual, whose bloodstains are being forwarded, should be sent along with the identification form.

The charge for the DNA fingerprinting analysis for each blood sample/bloodstain sent on bloodstain card as mentioned below:

S.No.	Type of cases	Cost per blood sample/per person	Cost per Non-blood sample
1	Paternity and Maternity in Crime cases, missing children and child swapping cases	4,578/-	NA
2	Identification of victim and suspects in murder and unknown person in disaster cases	4,578/-	10,738/-
3	Biology relationship in property inheritance, civil maintenance, immigration and organ transplantation cases	11,682/-	17,582/-
4	Identification of perpetrator in sexual assault cases	9,145/-	20,862/-

The above mentioned charges are inclusive of GST@18% as levied by Government of India. Payment has to be paid in advance, through NEFT to the CDFD account for which details are given below

Bank details of the CDFD Account:

Name of the Bank : State Bank of India  
Account Holder name : Director CDFD  
Account Number : 62508009799  
IFSC Code : SBIN0020087  
Branch : Habsiguda  
Complete Address : Scientist Colony, Uppal Road, Hyderabad  
MICR Code : 500002318

The charges can also be paid by sending a crossed demand draft (**which is to be valid for at least two months from the date of its receipt at CDFD**) drawn in favour of "Director, CDFD" payable at Hyderabad.

**For enquiries in this regard, please contact us at:**

Email: [DFP@cdfd.org.in](mailto:DFP@cdfd.org.in)

Tel No.: **040-2721 6142 / 2721 6143 / 2721 6144**

Fax No.: **040-2721 6006**

**The DNA profiling report will be submitted on receipt of the DNA testing charges and fulfillment of all the official formalities.**

The following conditions have to be fulfilled for the appearance of the DNA expert from CDFD for depositing evidence in the Hon'ble Court of Law:

1. Personal security of the expert(s) has to be ensured from the time of his/her arrival till his/her departure.
2. TA/DA would be paid as per Government of India rules and entitlement.
3. The experts should be escorted from and to the railway station/airport and accommodated in a guesthouse or in a best available hotel.
4. The payment is to be made to the experts before his/her departure from the Hon'ble Court. In all cases forwarded by the investigative agencies the above payment would have to be reimbursed by the investigative agencies and not the Hon'ble Courts.
5. CDFD may kindly be provided with a copy of the Judgment of the Hon'ble Court, if any pertaining to this case.
6. In order for the CDFD to comply with audit requirements, you are requested to kindly issue a certificate of attendance clearly indicating about the payment of TA/DA to the DNA examiner by your office or otherwise.
7. This letter and the accompanying DNA Profiling Report will be despatched by the Laboratory of DNA Fingerprinting Services after all payments due in this case have been received by CDFD.

**Please note that no telephonic enquiries will be entertained regarding case reports.**