



# सी. डी. एफ. डी.

# CDFD

## डी एन ए फिंगरप्रिंटिंग एवं निदान केन्द्र

(जैव प्रौद्योगिकी विभाग, विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार का स्वायत्त संस्थान)

### CENTRE FOR DNA FINGERPRINTING AND DIAGNOSTICS

(An autonomous institute of the Dept. of Biotechnology, Ministry of Science & Technology, Govt. of India)

प्रयोगशाला ब्लॉक : तुलजागुडा, (एम जे मार्केट के सामने), नामपल्ली, हैदराबाद - 500 001, भारत

Laboratory Block : Tuljaguda, (Opp. M.J. Market), Nampally, Hyderabad - 500 001, India

पत्राचार हेतु / For Correspondence

कार्यालय ब्लॉक : भवन 7, गृहकल्पा, 5-4-399/B, नामपल्ली, हैदराबाद - 500 001, भारत

Office Block : Bldg. 7, Gruhakalpa, 5-4-399/B, Nampally, Hyderabad - 500 001, India

## 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 biological 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 bloodstains can be made using lancet on bloodstain cards being sent by us, in the presence of **Hon'ble Court** Authorities. These stains should be air-dried and sent to us. 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 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 with 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 with a dry paper or cloth Completely burnt bones, 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 is ₹.5,750/- (Rupees five thousand seven hundred and fifty only). For each non-blood forensic sample (viz., bones, hair, muscle tissue, stained garments, teeth, slides, swabs, etc), the charge is ₹.11,500/- (Rupees eleven thousand and five hundred only), which is inclusive of service charge (@15% applicable from 01.06.2016) as levied by Government of India. Payment has to be paid in advance, in the form of a crossed demand draft (**which is to be valid for at least three 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.: 040-2474 9331 / 9332 / 9333  
 Fax No.: 040-2474 9448

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

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

1. Personal security of the experts 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 to the DNA examiner of TA/DA 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.**