

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Certificate of Accreditation

### **Molecular Forensics and DNA Technologies (MFDT)**

Rajiv Gandhi Centre for Biotechnology, Thycaud PO.  
Thiruvananthapuram-695014, Kerala, India

has been assessed and accredited in accordance with the Standard  
**ISO/IEC 17025:2017**

“General Requirements for the Competence of Testing and Calibration Laboratories”  
In the field of  
**Testing**

This certificate remains valid for the Scope of Accreditation as specified  
in the annexure subject to continued compliance to the above standard &  
any other requirements specified by QAI.



**QAI/CIA/TL/2025/0101**

Valid from: 13 February 2025

Valid until: 12 February 2027

**Dr. Bhupendra Kumar Rana**  
Chief Executive Officer

**Prof. Vikram Kumar**  
Chair, CIA



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## Scope of Accreditation

### *Molecular Forensics and DNA Technologies (MFDT)*

Rajiv Gandhi Centre for Biotechnology, Thycaud P.O., Poojappura  
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QAI/CIA/TL/2025/0101

Valid from: 13 February 2025

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Accreditation Standard: ISO/IEC 17025:2017

Forensic Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Human DNA Fingerprinting</b>		
1.	Blood/Biological stains (dried blood, spots, swabs), Teeth, Hair, semen, saliva, bone	Human DNA fingerprinting for identification, paternity, maternity and relationship testing	DNA isolation, STR analysis, (Autosomal STRs, Y-STRs, XSTRs), mtDNA sequencing As per manual MFDT-TM- HID-04; Issue no: 01:2024



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Biological Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Wildlife Forensics</b>		
1.	Blood/Bone/tusk/ horn/teeth /Ivory/ Tissue (Raw & cooked meat, skin, muscle)	Species identification in wildlife Forensics	DNA isolation, PCR, DNA sequencing of mitochondrial COI and /or CytB genes as per manual MFDT-TM-WF-05; Issue No: 01: 2024



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Biological Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	DNA Barcoding of Plants, Animals, Bacteria & Fungus		
1.	Plants/ Animals/ Bacteria/ Fungus	Sanger Sequencing for species identification of plant, fungus, bacteria and animal	DNA isolation, Specific PCR amplification, PCR product purification, Sequencing PCR, Sequencing analysis, as per manual MFDT-TM-BC-06; Issue No: 01: 2024

