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**Forensic sciences-Specifications for examination of DNA
laboratory**

法庭科学 DNA实验室检验规范

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

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Forensic Science DNA Laboratory Testing Standards

1 Scope

This document sets out the basic requirements for DNA laboratory testing in the field of forensic science.

This document is intended for use by forensic science laboratories involved in the examination of forensic evidence.

2 Normative references

GB/T 6682

GB/T 27025

GB/T 43633

3.1 Terms and Definitions

For the purposes of this document, the terms and definitions defined in GA/T 1972 and listed below apply.

3.1.1 preliminary test

Screening test for suspicious body fluids (spots).

3.1.2 confirmatory test

A test to examine specific components in body fluids (spots).

3.1.3

An enzymatic process for the in vitro amplification of specific DNA fragments.

3.1.4 Mitochondrial DNA

Closed-circle double-stranded DNA present in the mitochondria of human cells.

Note. Human mitochondrial DNA is approximately 16.5Kb; it does not follow Mendel's laws of inheritance, but is inherited from the mother, passing the genetic information to the egg cell.

Offspring; no mitotic and meiotic cycles; genetic material is located in organelles and is not affected by nuclear transplantation; mtDNA copies in individual cells