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**CERTIFICATION AND ACCREDITATION INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

RB/T 194-2015

**Guidance on the proficiency testing of forensic DNA typing
(English Translation)**

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard is proposed and managed by the National Certification and Accreditation Administration.

This standard was drafted. China National Accreditation Center for Conformity Assessment, Institute of Forensic Science and Technology, Ministry of Justice, Huaxiji, Sichuan University School of Basic Medicine and Forensic Medicine, Beijing Municipal Public Security Bureau, China University of Political Science and Law.

Introduction

In recent years, with the advancement and development of China's judicial system reform, the deoxyribonucleic acid (DNA) the number is increasing year by year, and the ability and quality of the appraisal organization are valued by the industry authorities and the society pays close attention. Capability verification it has gradually become an effective means for quality assessment by the competent authorities of the industry, accreditation bodies, accreditation bodies and users of the appraisal results.

In.2012, the national standard GB/T 27043 "General Requirements for the Verification of Conformity Assessment Capability" was issued and implemented, which specified the capability test.

The required requirements of the certificate provider and the general requirements for the establishment and operation of the proficiency testing plan, applicable to all areas of testing/calibration, inspection and other areas of proficiency testing Organization and management. This standard is based on GB/T 27043, combined with the characteristics and requirements of the forensic DNA identification profession, Technical guidance is given at each stage of the force verification implementation process, which helps to standardize the organization and implementation of the forensic DNA identification capability verification program.

This standard does not cover the content of management requirements for proficiency testing providers. For related content, please refer to GB/T 27043.

Forensic DNA Identification Capability Verification Implementation Guide

1 Scope

This standard gives the design of the forensic DNA identification verification program, the provision of proficiency testing items, the selection of identification methods, and the ability.

Guidance on assessment, proficiency testing reports, operations, communication with participants, and confidentiality verification of the information database.

This standard applies to the organization, implementation and management of the forensic DNA identification capability verification program.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only the dated version applies to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 27043-2012 General requirements for conformity assessment
GA/T 383 forensic science DNA laboratory test specification
GA/T 965 forensic science DNA paternity test specification
Analysis and Application of GA/T 1163 Human DNA Fluorescent Labeling STR Typing Results
SF/ZJD0105001 Technical Specifications for Judicial Identification Technical Specifications

3 Terms and definitions

The following terms and definitions as defined in GB/T 27043-2012 apply to this document.

Identification forensic examination Use science and technology or expertise in litigation activities to identify and judge specific issues involved and provide judgmental meaning
Activities seen include sampling/sampling, testing/inspection, results analysis or comparison, results description, and compliance judgment.

Identification agency forensic units an organization that has been approved by the competent authority and has obtained relevant licenses and is engaged in the identification of forensic/forensic science.

Appraiser forensic experts Personnel who have been examined and approved by the competent department and obtained relevant practice certificates, and engaged in the appraisal of forensic/forensic science.

Forensic DNA identification forensicDNA typing the process of DNA analysis and identification of biological samples by identification agencies and experts, including DNA extraction, gene amplification and analysis of results and so on.

Note: DNA is the abbreviation of Deoxyribonucleic acid.

Proficiency testing

Use inter-laboratory comparisons to evaluate participants' abilities in accordance with pre-established guidelines.

[GB/T 27043-2012, definition 3.7]