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GA

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GA/T 382-2014

Replacing GA/T 382-2002

Specifications for construction of forensic DNA laboratory

法庭科学DNA实验室建设规范

(English Translation)

Issued on: May 9, 2014 **Implemented on: May 9, 2014**

Issued by: Ministry of Public Security

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Foreword

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

Instead of the standard GA/T 382-2002 "forensic DNA laboratory practices." The main technical changes in addition to editorial changes outside as follows.

--- Delete the definition of "technical director" "inspector" "technician," "commercial kit", "laboratory", "polymerase chain reaction" "qualification test" "Restriction fragment length polymorphism," "amplification blank" "key agents" "Tribunal DNA testing," "known sample" "verification" "Technical approval", "analysis", "Quality Manual" and "quality assurance" (see the 2002 edition of 2.1,2.2,2.3,2.4,2.5,2.6, 2.7,2.8,2.9,2.10,2.11,2.12,2.13,2.14,2.15,2.16 and 2.17);

--- Added "forensic biological evidence samples," "Forensic biological evidence samples," "sample ratio" "interlaboratory comparison" "proficiency testing" "School Quasi "" corrective action "and" quality management "and" quality control "terms and definitions (see 3.1,3.2,3.3,3.4,3.5,3.6,3.7,3.8 and 3.9);

--- Deleted the contents of the quality of personnel requirements inspectors and technicians (see 2002 edition of 3.2.2 and 3.2.3);

--- Deleted the content of the job responsibilities of inspectors and technicians (see 2002 edition of 3.3.2 and 3.3.3);

--- Increased job settings for content (see 4.1);

--- Increased personnel requirements in charge of quality, relevant content expert, appraiser assistants, support staff and database administrators (see 4.2.2, 4.2.3,4.2.4,4.2.5 and 4.2.6);

--- Information about the contents of their duties in charge of quality, expert appraiser assistants, support staff and database administrators (see 4.3.2, 4.3.3,4.3.4,4.3.5 and 4.3.6);

--- Information about the content of training and assessment (see 4.4);

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--- Information about the technical content of personnel files (see 4.5);

--- Deleted the content of instruments and reagents (see the 2002 edition, Chapter 4);

--- Remove laboratory settings for content (see the 2002 edition of Chapter 5);

--- Deleted the content of the information (see the 2002 edition, Chapter 6);

--- Remove the methods approved on the contents (see the 2002 edition, Chapter 7);

--- Remove the procedural requirements relating to the content analysis (see 2002 edition of Chapter 8);

--- Deleted the content of the qualification test (see 2002 edition, Chapter 9);

--- Remove laboratory verification of the relevant content (see the 2002 edition, Chapter 10);

--- Deleted the contents of laboratory safety (see 2002 edition Chapter 11);

--- Information about the contents of the environment (see Chapter 5);

--- Information about the contents of the method (see Chapter 6);

--- Information about the contents of the device and reagents (see Chapter 7);

--- Information about the content of biological evidence samples and samples (see Chapter 8);

--- Information about the content of quality control (see Chapter 9);

--- Information about the content of the reported results (see Chapter 10);

--- Information about the contents of the file control (see Chapter 11);

--- Information about the contents of the recording control (see Chapter 12).

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents.

This standard by the National Standardization Technical Committee on Forensic Science and Technology (SAC/TC179) and focal points.

This standard is mainly drafted by. Ministry of Public Security Evidence Identification Center.

Participated in the drafting of this standard. Shanghai Public Security Bureau, Beijing Municipal Public Security Bureau, Guangzhou Municipal Public Security Bureau.

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This standard replaces the standards previously issued as follows.

--- GA/T 382-2002.

Forensic DNA laboratory construction specifications

1 Scope

This standard specifies the basic requirements for forensic DNA laboratory to be followed.

This standard applies to DNA testing in forensic science laboratory.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

General requirements GB/T 27025-2008 testing and calibration laboratories GA/T 815-2009 forensic STR loci of human fluorescently labeled detection reagent quality basic requirements

3 Terms and Definitions

The following terms and definitions apply to this document.

Forensic biological evidence samples casesample from the case (incident) member site, and forensic evidence, DNA testing, which can provide clues for the investigation, provide evidence of the Tribunal Biological sample, containing or carrying forensic genetics can test biological sample article.

Example. genetics generally include blood samples (spot), saliva (spot), semen (spot), hair, bone, exfoliated cells, vaginal contents (spot), human tissue, Secretions, excretions and cigarette butts, stones, cup, chewing gum and the like.

Forensic biological evidence samples sample Intermediate test samples of biological evidence.

Than sample referencesample Known sources of forensic evidence, DNA testing and other than the reference sample used.

Interlaboratory comparison in accordance with predetermined conditions, by two or more laboratories on the same or similar test items for testing organization, implementation and Evaluation.

Proficiency testing proficiencytest the use of interlaboratory comparison (3.4), blind test, etc., in accordance with pre-established guidelines for evaluation of participants' abilities.

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Calibration Under specified conditions, to determine the magnitude of the measuring instrument or measuring system, as indicated, or material measure or reference materials represent value, and by the corresponding standard reproducible set of operations between values.

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