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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3393-2012

Rapid simultaneous screen method of five bio-terrorism bacteria at frontier port. Gene suspension array with multiple primers on genus level

国境口岸五种生物恐怖病原菌快速筛查方法 多重引物悬浮芯片法

(English Translation)

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Preview: page 1 of 3 shown, 7 in the full document. Complete English PDF, instant download:
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Table of Contents

Foreword

1 Scope

2 Normative references

3 Terms and Definitions

4 Bio-safety requirements

Foreword

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

Please note that some of the content of this document may involve patents. Distribution of this document Institutions do not assume the responsibility to identify these patents.

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

This standard was drafted. Chinese Academy of Inspection and Quarantine, Chongqing, People's Republic of China Exit Inspection and Quarantine.

1 Scope

This standard specifies the border crossings suspicious powder samples of Bacillus anthracis, Yersinia pestis, Brucella, F. tularensis bacteria Detection and Burkholderia bacteria suspension gene chip.

This standard applies to border crossings suspicious powder samples of Bacillus anthracis, Yersinia pestis, Brucella, F. tularensis bacteria and five kinds of bacteria Burkholderia important bioterrorism bacteria related to multiple testing.

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.

GB 19489 General requirements for laboratory biosafety SN/T 1552 terrorist attacks biological factors frontier port monitoring procedures WS233 Microbiological and Biomedical Laboratories Biosafety Common Criteria

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3 Terms and Definitions

The following terms and definitions apply to this document.

Bioterrorism Pathogens bio-terrorismbacteria Pathogenic bacteria harmful to human health can be used for bioterrorism, including Bacillus anthracis, Yersinia pestis, Brucella, F. tularensis bacteria and Burkholderia bacteria, which is characterized by low infectious dose, high toxicity, virulent, short incubation period after infection, Incidence; infectious, it can infect the human body through different pathways; its outer environment good stability, ease of production, storage, packaging, transport and freed.

Gene chip genesuspensionarray suspension Also known as Liquid gene chip is encoded with the use of microspheres as a carrier, as detected by flow cytometry platform, nucleic acids and other biomolecules Determination of a large-scale sub-bio-chip technology.

4 Bio-safety requirements

4.1

before the investigation and proper personal protection. Protection methods and standards, see SN/T 1552.

4.2

The laboratory shall follow GB 19489 requirements for biosafety and WS233 II Biosafety Level (BSL-2) laboratory.

Preview: page 3 of 3 shown, 7 in the full document. Complete English PDF, instant download:
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