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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3306.5-2013

Loop-mediated isothermal amplification detection method at frontier port. Part 5: Brucellosis

国境口岸环介导恒温扩增（LAMP）检测方法 第5部分：布鲁氏菌

(English Translation)

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Preview: page 1 of 3 shown, 6 in the full document. Complete English PDF, instant download:
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Table of Contents

Foreword
1 Scope
2 Normative references
3 Abbreviations
4 Biosecurity measures
5 Anti-pollution measures
6 Technology Overview

Foreword

SN/T 3306 "frontier port loop-mediated isothermal amplification (LAMP) detection method" is divided into five parts.

--- Part 1. Yersinia pestis;

--- Part 2. toxigenic Vibrio cholerae;

--- Part 3. Shigella;

--- Part 4. Legionella pneumophila;

--- Part 5. Brucella.

This section SN/T 3306 Part 5.

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

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 section proposed and managed by the National Certification and Accreditation Administration Committee.

1 Scope

SN/T 3306 provisions of this part of the border crossings to detect brucellosis suspected samples of unknown substances in the sample loop Brucella Mediated isothermal amplification (LAMP) method.

This section applies to border crossings screening tests Brucella.

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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.

Laboratory use specifications and test methods GB/T 6682 Analysis GB 16885 brucellosis monitoring standards GB 19489 General requirements for laboratory biosafety Applications WS/T 230-2002 clinical diagnosis of the polymerase chain reaction (PCR) technology

3 Abbreviations

The following abbreviations apply to this document.

Betaine. Betaine

Bst enzyme. BstDNA polymerase (large fragment) [BstDNApolymerase (largefragment)] DNA. deoxyribonucleic acid (deoxyribonucleicacid) dNTP. deoxynucleotide triphosphate (deoxyribonucleosidetriphosphate) EDTA. ethylenediaminetetraacetic acid (ethylenediaminetetraaceticacid) LAMP. loop-mediated isothermal amplification (loop-mediatedisothermalamplification) TritonX-100. Polyethylene glycol octylphenyl ether

4 Biosecurity measures

In order to protect the safety of laboratory personnel, shall be through the biosafety training and have qualified staff to detect Brucella, all training Yang and waste should be performed with reference to the relevant provisions of GB 19489.

5 Anti-pollution measures

Prevent pollution measures should comply with WS/T 230-2002 in.

6 Technology Overview

According to specific sequences within the gene design Brucella specific primers, outside each primer pair on the target sequence-specific recognition of independence

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