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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3306.2-2012

Loop-mediated isothermal amplification detection method at frontier port. Part 2: Cholera toxin-producing Vibrio cholerae

国境口岸环介导恒温扩增（LAMP）检测方法 第2部分：产毒素霍乱弧菌

(English Translation)

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Foreword

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

--- Part 1. Yersinia pestis;

--- Part 2. toxigenic Vibrio cholerae;

--- Part 3. Shigella;

--- Part 4. Legionella pneumophila.

This section SN/T 3306 Part 2.

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 suspected samples, water and other environmental samples toxigenic Vibrio cholerae constant loop-mediated Isothermal amplification (LAMP) method.

This section applies to border crossings toxigenic V. cholerae screening tests.

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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 19489 General requirements for laboratory biosafety Applications WS/T 230-2002 clinical diagnosis of the polymerase chain reaction (PCR) technology WS289 cholera diagnostic criteria

3 Abbreviations

The following abbreviations apply to this document.

Betaine. Betaine

Bst enzyme [BstDNApolymerase (largefragment)]. BstDNA polymerase (large fragment) CT (choleratoxin). cholera toxin ctxA (choleratoxinsubunitAgene). cholera toxin A subunit gene DNA (deoxyribonucleicacid). DNA dNTP (deoxyribonucleosidetriphosphate). deoxynucleotide triphosphate EDTA (ethylenediaminetetraaceticacid). ethylenediaminetetraacetic acid LAMP (loop-mediatedisothermalamplification). loop-mediated isothermal amplification 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 toxigenic Vibrio cholerae, all cultures 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's.

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