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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 0175-2010

Replacing SN 0175-1992

Detection of Campylobacter spp.in food for import and export

进出口食品中弯曲菌的检测方法

(English Translation)

Issued on: March 2, 2010 **Implemented on: September 16, 2010**

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Foreword

This standard replaces SN 0175-1992 "food for export Campylobacter test methods." this standard compared with SN 0175-1992, the main changes are as follows.

--- Modify and standardize the "equipment and materials";

--- Adds eggs and egg products and other products for sample preparation methods;

--- Modify and improve the enrichment culture method;

--- Increased lari four kinds of bacteria strains and subspecies bending biochemical profiles;

--- Increasing the API identification test;

--- Increasing the selective medium modified CCDA medium.

Appendix A of this standard is a normative appendix.

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

This standard was drafted. People's Republic of China Hunan Entry-Exit Inspection and Quarantine Zhongshan People's Republic of China Bureau, People's Republic of China Guangdong Entry-Exit Inspection and Quarantine of Jiangsu People's Republic of China.

1 Scope

This standard specifies the method for the detection of Campylobacter in food import and export.

This standard applies to imported and exported food Campylobacter detection.

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2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 19489 General requirements for laboratory biosafety

3 Equipment and materials

3.1
micro-aerobic conditions and related equipment. micro-aerobic conditions for optimal 5% oxygen and 10% carbon dioxide and 85% nitrogen, select the appropriate size Anaerobic tank, good sealing effect sealed box, or other micro-aerobic conditions to maintain the equipment bag into a micro-aerobic capacity (eg. OXIOD public Our production BR0060A or CN0035A and the same type of product 1)), can also be cultured in a microaerophilic thermostat workstations.

1) This information is given for the convenience of users of this standard, if other equivalent product has the same effect, you can use these equivalent products.

3.3
sterile centrifuge bottles. 250mL.

3.4
sterile filter bags homogeneous.

3.5
phase contrast microscopy, dark field microscope or optical microscope 10 x, 100 x.

3.6
slides and cover slips.

3.7
incubator. 25 °C ± 1 °C, 30 °C ± 1 °C, 36 °C ± 1 °C and 42 °C ± 1 °C.

3.8
sterile Petri dish. diameter of 90mm.

3.9
Lead acetate strips.

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3.10
McFarland standard turbidity units.

4.1 Medium

4.1.1
Bolton enrichment broth. see Section A. Chapter 1.

4.1.2 0.1% peptone water. See A. 1.4.

4.1.3
Campylobacter isolation medium. see Section A. 2.

4.1.4
Modified Skirrow's medium. see A. 2.2.

4.1.5
Modified CCDA medium. see A. 2.1.

4.1.6
Colombia blood agar plates. see Section A. 3.

4.1.7
modified semi-solid medium for the biochemical identification. See Section A. 4.

4.1.7.1
neutral red.

4.1.7.2
glycine.

4.1.7.3
cysteine -HCl.

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