

ICS 67.100.01
CCS X 16

SN

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SN/T 2552.12-2010

**Microbiological examination for milk and milk products
hygiene. Part 12: Detection and enumeration of listeria
monocytogenes**

(English Translation)

Issued on: May 27, 2010

Implemented on: December 1, 2010

Issued by: General Administration of Customs

Table of Contents

Foreword

1 Scope

2 Normative references

3 Media and reagents

Foreword

SN/T 2552 "Milk and dairy products Hygienic science test methods" is divided into thirteen sections.

- Part 1. Guidance on sampling;
- Part 2. Preparation of test sample dilution;
- Part 3. yeasts, molds, colony counting;
- Part 4. Psychrophile microbial colony counts;
- Part 5. Salmonella testing;
- Part 6. Citrobacter inspection;
- Part 7. Enterobacter cloacae inspection;
- Part 8. Proteus mirabilis and inspection;
- Part 9. Klebsiella test;
- Part 10. Enterobacter sakazakii immunofluorescence test;
- Part 11. Bacillus cereus Isolation and counting;
- Part 12. monocytogenes Listeria detection and counting;
- Part 13. Pseudomonas Isolation and counting.

This section is SN/T 2552 Part 12.

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

The partial modification using ISO 11290-1:1996/Amd.1.2004 (E) "Microbiology of food and animal feed mononucleosis Health Listeria level detection and counting method - Part 1.

Detection method "(Microbiologyoffoodandanimalfeeding
stuffs-HorizontalmethodforthedetectionandenumerationofListeriamonocytogenes-Part 1.

Detectionmethod) and ISO 11290-2:1998/Amd.1.2004 (E) "Microbiology of food and animal

feed monocytogenes Listeria level detection and enumeration methods - Part 2.

Enumeration method "(Microbiology of food and animal feeding stuffs - Horizontal method for the detection and enumeration of Listeria monocytogenes - Part 2. Enumeration method) revision, taking into account the practical situation of China's import and export inspection and quarantine, for some of which have been deleted Save, and adds some additional content, the main differences are as follows.

--- According to GB/T 1.1, GB/T 20000.2 requirements and habits of the Chinese for some formatting has been modified;

--- The number of international standards to apply to the presentation of our standard way of expression;

--- Remove the "Directory", "Introduction", "definition", "principles" and "References" section;

--- On the "Normative references" description according to GB/T 1.1 requirements were modified;

--- The "warning" to "security requirements" and placed at the end of a standard paragraph.

--- Increasing the PCR detection method.

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

This section drafted by. China Inspection and Quarantine Science Research Institute, Inner Mongolia, People's Republic of China Exit Inspection and Quarantine.

1 Scope

This section SN/T 2552 provisions of the milk and dairy products monocytogenes Listeria detection and counting methods.

This section applies to milk and dairy products monocytogenes Listeria detection and counting. Other foods monocytogenes Lee Listeria detection and enumeration can also refer to use.

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, undated references, the latest edition (including any amendments) applies to this document.

SN/T 2552.1 milk and dairy hygiene microbiology test methods - Part 1. Guidance on sampling
SN/T 2552.2 milk and dairy hygiene Microbiological test method - Part 2. Preparation of test sample dilution

3 Media and reagents

3.1

HalfFraser broth. See Appendix A, Section A.1 chapter.

3.2

Fraser broth. See Appendix A, Section A.2 chapter.

3.3

Listeria chromogenic agar medium (ALOA). See Appendix A, Section A.3 chapter.

3.4

Oxford Agar (OXA). See Appendix A in Chapter A.4.

3.5

yeast extract pancreatic casein soy agar (TSA-YE). See Appendix A for the first chapter A.5.

3.6

yeast extract pancreatic casein soy broth (TSB-YE). See Appendix A for the first chapter A.6.

3.7

sheep blood agar. See Appendix A, Section A.7 chapter.

3.8

fermentation medium sugar (xylose and rhamnose). See Appendix A for the first chapter A.8.

3.9

Dynamic medium. See Appendix A for the first chapter A.9.

3.10

synergistic hemolysis (CAMP) test medium and test strains. See Appendix A for the first chapter A.10.

3.11 3% hydrogen peroxide (H₂O₂) solution.

3.12

Gram Staining Solution. See Appendix A for the first chapter A.11.

3.13

primer. See Appendix A for the first chapter A.12.

The mixture was 3.14 dNTP. dATP, dTTP, dGTP, dCTP all 2.5mmol/L.

3.15 10 x Taq buffer.

3.16

TaqDNA polymerase.

3.17

agarose (electrophoresis grade).

3.18

ethidium bromide solution. A.13 in Appendix A of the first chapter.

3.19

DNA molecular weight marker 100bpDNALadderMarker.

3.20 50 x electrophoresis buffer. See Appendix A for the first chapter A.14.

3.21 6 x loading buffer. See Appendix A for the first chapter A.15.