

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

SN/T 4624.7-2016

**Methods for examination of import microbial blends in the
environmental protection--Part 7: Salmonella**

入境环保用微生物菌剂检测方法 第7部分：沙门氏菌

(English Translation)

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Main reagents and medium

Foreword

SN/T 4624 "Method for the detection of microbial agents for environmental protection in entry" is divided into 17 parts.

- Part 1. *Bacillus licheniformis*;
- Part 2. *Bacillus pumilus*;
- Part 3. *Bacillus megaterium*;
- Part 4. *Thiobacillus ferrooxidans*;
- Part 5. beta-type hemolytic streptococcus;
- Part 6. *Staphylococcus aureus*;
- Part 7. *Salmonella*;
- Part 8. *Shigella*;
- Part 9. *Escherichia coli*;
- Part 10. *Paecilomyces lilacinus*;
- Part 11. elegant small gram silver mold;
- Part 12. *Trichoderma harzian*;
- Part 13. *Phanerochaete chrysosporium*;
- Part 14. *Aspergillus oryzae*;
- Part 15. *Bacillus amyloliquefaciens*;
- Part 16. *Pseudomonas aeruginosa*;
- Part 17. *Pseudomonas putida*.

This part is the seventh part of SN/T 4624.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

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

This section drafted by. Liaoning Entry-Exit Inspection and Quarantine Bureau of the People's Republic of China.

1 Scope

This part of SN/T 4624 stipulates the morphological identification and biochemical identification of Salmonella in the sanitary inspection of microbial agents for environmental protection.

Fixed, common PCR, real-time fluorescent PCR detection methods.

This section applies to the detection and identification of Salmonella in the hygiene inspection of microbial agents for environmental protection.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 6682 Analytical laboratory water specifications and test methods

3 Main reagents and medium

3.1

Experimental water. It should meet the specifications of the first grade water in GB/T 6682.

3.2

Saline. See Appendix A, A.1.

3.3

sodium tetrasulfonate brilliant green (TTB) enrichment solution. see A.2.

3.4

Selenite cystine (SC) enrichment solution. see A.3.

3.5

Barium sulfite (BS) agar. see A.4.

3.6

Xylose Lysine Deoxycholate (XLD) agar. See A.5.

3.7

Salmonella chromogenic medium.

3.8

Trisaccharide Iron (TSI) Agar. See A.6.

3.9

Peptone water, sputum matrix reagent. see A.7.

3.10

Urea agar (pH 7.2). See A.8.

3.11

Potassium cyanide (KCN) medium. see A.9.

3.12

Lysine decarboxylase assay medium. see A.10.

3.13

o-nitrophenol beta-D galactoside (ONPG) medium. see A.11.

3.14

Semi-solid agar. See A.12.

3.15

sodium malonate medium. see A.13.

3.16

Salmonella O and H diagnostic serum.

3.17

Biochemical Identification Kit.

3.18

TE buffer (pH 8.0). see A.14.

3.19

Lysozyme (10 mg/mL). see A.15.

3.20

Proteinase K (20 mg/mL). see A.16.

3.21 10% SDS. See A.17.

3.22 3 mol/L sodium acetate. see A.18.