

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

SN/T 4624.5-2016

**Methods for examination of import microbial blends in the
environmental protection--Part 5: ? Streptococcus hemolyticus**

入境环保用微生物菌剂检测方法 第5部分：β型溶血性链球菌

(English Translation)

Issued on: August 23, 2016

Implemented on: March 1, 2017

Issued by: General Administration of Customs

Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Main reagents and culture media
- 4 Major Instruments and Equipment
- 5 Sample preparation

Foreword

SN/T 4624 "Environmental Use of Microbial Agents for Environmental Protection" is divided into 17 parts.

- Part 1. *Bacillus licheniformis*;
- Part 2. *Bacillus pumilus*;
- Part 3. *Bacillus megaterium*;
- Part 4. *Thiobacillus ferrooxidans*;
- Part 5. Beta hemolytic streptococci;
- Part 6. *Staphylococcus aureus*;
- Part 7. *Salmonella*;
- Part 8. *Shigella*;
- Part 9. *Escherichia coli*;
- Part 10. *Paecilomyces lilacinus*;
- Part 11. Elegant Chickwort;
- Part 12. *Trichoderma harzianum*
- Part 13. *Phanerochaete chrysosporium*;
- Part 14. *Aspergillus coli*;
- Part 15. *Bacillus amyloliquefaciens*;
- Part 16. *Pseudomonas alkaloids*;
- Part 17. *Pseudomonas putida*.

This section is Part 5 of SN/T 4624.

This section was 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 Regulatory Commission.

1 Scope

This part of SN/T 4624 stipulates the morphological identification of beta-hemolytic streptococci for hygiene inspection of microorganisms used for entry into the environment.

Biochemical identification.

This section applies to the detection and identification of beta-hemolytic streptococci in the environmental testing 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. For undated references, the latest version (including all amendments) applies to this document.

GB/T 6682 Analysis Laboratory Water Specifications and Test Methods

3 Main reagents and culture media

3.1

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

3.2

Normal saline. See Appendix A, A.1.

3.3

Modified tryptone soy broth (mTSB). See A.2.

3.4

Colombian CNA Blood Agar. See A.3.

3.5

Columbia Blood Agar. See A.4.

3.6

Potassium oxalate plasma. See A.5.

3.7 0.25% calcium chloride (CaCl₂) solution. See A.6.

3.8 3% Hydrogen Peroxide (H₂O₂) Solution. See A.7.

3.9

biochemical identification kit or biochemical identification card.

4 Major Instruments and Equipment

4.1

Electronic Balance. The amount of sense is 0.01g.

4.2

Incubator. 36 °C ± 1 °C.

4.3

Anaerobic culture device.

4.4

Autoclave.

4.5

Sterile petri dishes. 90 mm in diameter.

4.6

water bath device. 36 °C ± 1 °C.

4.7

Microbiological biochemical identification system.

5 Sample preparation

Take 1 g (mL) of sample aseptically and add it to 100 mL of normal saline. Mix 25 mL from it and add it to 225 mL.