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

SN/T 1538.2-2016

Replacing SN/T 1538.2-2007

**Guidelines on preparation and production of culture
media??Part 2: Practical guidelines on performance testing of
culture media**

(English Translation)

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Foreword

SN/T 1538 "medium preparation guide" is divided into two parts.

--- Part 1. Laboratory culture preparation quality assurance General;

--- Part 2. Practical guide to performance testing of media.

This part of SN/T 1538 Part 2.

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

This section replaces SN/T 1538.2-2007 "Medium Preparation Guide Part 2. Medium Performance Test Practical Guide", and SN/T 1538.2-2007 compared to the main technical changes are as follows.

--- Modify Appendix B;

--- Added Appendix C;

--- Remove the original standard English part.

This section uses the redrafted law Amendment uses ISO/T S11133-2.2003 "food and animal feed Microbiology Medium Preparation Guide Medium Performance Test Practical Guide. " this part of the national certification and accreditation supervision and management committee proposed and centralized.

This part of the drafting unit. Fujian Entry-Exit Inspection and Quarantine of the People's Republic of China.

1 Scope

This part of SN/T 1538 specifies the general quality control requirements of the culture medium and lists the performance tests of fixed and liquid culture medium method.

This section applies to the performance test of commercially available and homemade media.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2828.1-2012 Sampling procedures for inspection - Part 1 - Batch-by-lot inspection by acceptance quality limit (AQL) plan
SN/T 1538.1-2016 Guidelines for the preparation of culture media - Part 1. General guidelines for the quality assurance of laboratory culture preparation

3 Terms and definitions

SN/T 1538.1-2016 Terms and definitions apply to this document.

4.1.1 Medium

The quality of the medium consists of the quality of the basic ingredients, the formulation of the medium, the control of the preparation process, the elimination of microbial contamination, and the packaging and storage Deposit conditions and other factors (see Appendix A).

Suppliers or producers should ensure that the physical and chemical properties of the media meet the requirements of the relevant standards, the following characteristics of the quality evaluation should be consistent with the results the corresponding provisions.

- Packing number;
- Appearance, color and uniformity;
- agar gel hardness;
- Moisture content;
- Buffering capacity;
- Microbial contamination.

The various components of the medium, nutrient additives or selectors should be properly evaluated for quality.

4.1.2 Basic components

The media mentioned in international and/or national standards are generally available for immediate use. However, some of these basic biological components are not stable in

quality