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

GB/T 46668-2025

**Detection methods of Salmonella in animal and animal
products**

动物和动物产品沙门氏菌检测方法

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. Please note that some content in this document may involve patents. The issuing organization of this

document assumes no responsibility for identifying patents. This document was proposed by the Ministry of Agriculture and Rural Affairs of the People's Republic of China. This document is under the jurisdiction of the National Technical Committee on Animal Health Standardization (SAC/TC181). This document was drafted by Yangzhou University and Huazhong Agricultural University. The main drafters of this document are. Jiao Xin'an, Pan Zhiming, Meng Chuang, Li Shaowen, Geng Shizhong, Hu Maozhi, Kang Xilong, Tian Yuqi, Liu Bowen, and Gu Dan. Xu Chen, Li Qiuchun, and Huang Jinlin. Methods for detecting Salmonella in animals and animal products

1 Scope

GB/T 46668-2025 is the Chinese national standard covering finding Salmonella in a carcass, a swab or a feed sample - the pre-enrichment and selective enrichment, the plating and the confirmation, and the molecular methods offered alongside the culture route, with the sensitivity each achieves. First edition, under the Ministry of Agriculture and Rural Affairs. In force from 1 May 2026. Issued on 31 October 2025, it has been in force since 1 May 2026.

This document describes methods for detecting Salmonella in livestock, poultry, and their products, as well as in their production environment, including reagents and materials, instruments and equipment. Biosafety requirements, testing procedures, sample collection, isolation and culture, and detection, results and reporting of Salmonella. This document applies to the detection of Salmonella in livestock, poultry products, and their production environment.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB 4789.4 National Food Safety Standard - Microbiological Examination of Food - Salmonella Test

GB/T 6682 Specifications and test methods for water used in analytical laboratories

GB 19489 General Requirements for Laboratory Biosafety

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

4. Abbreviations The following abbreviations apply to this document. CFU. Colony-Forming

Unit RVR

5 Reagents and Materials

5.1 Buffered peptone water (BPW) was prepared according to A.1 in Appendix A.

5.2 RVR10 medium, prepared according to A.2.

5.3 MSRV medium, prepared according to A.3.

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