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

GB/T 14926.65-2026

Replacing GB/T 18448.4-2001

**Laboratory animals - Method for the examination of
Pneumocystis sp.**

实验动物 肺孢子菌检测方法

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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. This document is Part 65 of GB/T 14926. GB/T 14926 has already published the following parts.

- Detection method for Salmonella in laboratory animals (GB/T 14926.1);
- Detection method for Yersinia in laboratory animals (GB/T 14926.3);
- Detection Method for Pathogenic Fungi in Laboratory Animal Skin (GB/T 14926.4);
- Detection method for Pasteurella multocida in laboratory animals (GB/T 14926.5);
- Detection method for Bordetella bronchiseptica in laboratory animals (GB/T 14926.6);
- Methods for the detection of mycoplasma in laboratory animals (GB/T 14926.8);
- Detection method for Corynebacterium glutamicum in laboratory animals (GB/T 14926.9);
- Detection method for Tyzer pathogens in laboratory animals (GB/T 14926.10);
- Detection method for Escherichia coli O115a,c.K(B) in laboratory animals (GB/T 14926.11);
- Detection method for Pasteurella pneumophila in laboratory animals (GB/T 14926.12);
- Detection method for Klebsiella pneumoniae in laboratory animals (GB/T 14926.13);
- Detection method for Staphylococcus aureus in laboratory animals (GB/T 14926.14);

1 Scope

GB/T 14926.65-2026 is the Chinese national standard covering detecting Pneumocystis in laboratory rodents - an opportunistic fungus that stays silent in a healthy colony and kills

immunodeficient animals, which are exactly the animals most valuable to a laboratory. It replaces GB/T 18448.4-2001, moving the method into the GB/T 14926 series. In force since 1 May 2026. It was issued on 28 January 2026 and has been in force since 1 May 2026, replacing GB/T 18448.4-2001. The document is under the responsibility of the Ministry of Science and Technology. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document describes a method for detecting *Pneumocystis jirovecii* in laboratory animals. This document applies to the detection of *Pneumocystis* bacteria in laboratory animals such as mice, rats, rabbits, guinea pigs, and hamsters.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated references are provided. This document applies only to the version corresponding to the specified date. For undated references, the latest version (including all amendments) applies. In this document.

GB/T 14926.42 Collection of Specimens for Bacteriological Examination of Laboratory Animals

GB/T 14926.43 Laboratory animal bacteriological detection staining methods, culture media and reagents

3 Terms and Definitions

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

4.Principles *Pneumocystis* bacteria, which mainly infect the alveoli, can be directly observed under a microscope after fixation and staining.

5 Reagents and Materials

5.1 Glass slides.

5.2 Methanol, purity. analytical grade; CAS number. 67-56-1.

5.3 Ethanol, purity. analytical grade; CAS No.. 64-17-5.

5.4 Giemsa staining solution, preparation.

5.5 Preparation of hexamine silver staining solution.

5.6 Chromic acid solution, concentration (mass fraction). 8%; CAS No.. 7738-94-5.

5.7 Sodium thiosulfate solution, concentration (mass fraction). 5%; CAS No.. 10102-17-7.

5.8 Gold chloride solution, concentration (mass fraction). 0.2%; CAS No.. 13453-07-1.

5.9 Brilliant Green dye solution, concentration (mass fraction). 2%; CAS No.. 633-03-4.

6 Instruments and Equipment

6.1 Microscope, magnification range 100x to 1000x.

6.2 Incubator or water bath, temperature control range 25°C~100°C.