

ICS 11.100
CCS C44



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

GB 41918-2022

Biological safety cabinets

生物安全柜

Issued on: October 12, 2022

Implemented on: November 1, 2025

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and Definitions 1 4 categories 2 5 requirements	4
6 Test method	8
7 Labels, signs	28
8 Inspection rules 29 9 random files	30
39 Reference	42

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules for Standardization Documents" drafting. Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents. This document is proposed and managed by the State Drug Administration. biological safety cabinet

1 Scope

GB 41918-2022 is the Chinese national standard on biological safety cabinets, in the field of health care technology. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 12 October 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 November 2025. Classification: ICS 11.100, CCS C44. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the classification, requirements, test methods, labels, signs, inspection rules, accompanying documents, packaging, transportation and store. This document applies to biological safety cabinets.

2 Normative references

The contents of the following documents constitute the essential provisions of this

document through normative references in the text. Among them, dated references For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 191 Packaging, storage and transportation icon marks

GB 4793.1 Safety requirements for electrical equipment for measurement, control and laboratory use Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 Negative pressure filter fume hood to prevent the operator and the environment from being exposed to bioaerosols generated during the test.

3.2 biological factors biologicalagents Animals, plants, microorganisms, biotoxins and other biologically active substances.

3.3 biohazard biohazard Immediate or potential hazards caused by biological agents.

3.4 cross contamination cross contamination Material outside the target accidentally enters the target.

3.5 product protection product protection The biological safety cabinet prevents airborne pollutants from the outside from entering the biological safety cabinet through the front window operation opening.

3.6 working area Inside the biological safety cabinet from side to side, from the back to the inside of the front window, from the HEPA filter or diffuser hood to the countertop