

ICS 65.020.30

CCS B 47



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

GB/T 45552-2025

**Technical specification for Bombyx mori genetic resource
survey**

家蚕遗传资源调查技术规范

Issued on: April 25, 2025

Implemented on: November 1, 2025

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

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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 is required.

GB/T 45552 "Technical Specifications for Investigation of Silkworm Genetic Resources" and GB/T 27534 "Technical Specifications for Investigation of Livestock and Poultry Genetic Resources", GB/T 45553 The Technical Specifications for the Investigation of the Genetic Resources of Tussah Silkworm and GB/T 45550 Technical Specifications for the Investigation of the Genetic Resources of Honeybees together constitute the technical standards for the investigation of the genetic resources of livestock, bees and silkworms.

The basis for genetic resource surveys.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the 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 Husbandry Standardization (SAC/TC 274).

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Technical Specifications for Investigation of Silkworm Genetic Resources

1 Scope

This document specifies the objects and methods of silkworm genetic resources survey, survey contents, and requirements for record and archive management. Check method.

This document is applicable to the investigation of silkworm genetic resources.

2 Normative references

GB/T 9111

NY/T 1093

NY/T 1732

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 local variety

A variety of silkworm that has been bred and passed down through long-term artificial and natural selection under natural conditions in a certain region of China.

3.2 Improved variety

Silkworm varieties bred through pure line separation, hybrid fixation, systematic selection and molecular breeding techniques and methods.

3.3 introduced variety

Silkworm varieties introduced from abroad.

3.4 Monovoltine variety

Under natural conditions in temperate zones, there is only one generation of silkworm species in a year.

3.5 Bivoltine variety

A species of silkworm that produces two generations in one year under natural conditions in temperate zones.

3.6 polyvoltine variety

A silkworm variety that produces three or more generations in a year under tropical or subtropical natural conditions.