

ICS 65.020.30

CCS B 43



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

GB/T 27534.3-2025

Replacing GB/T 27534.3-2011

**Technical specification for animal genetic resource survey -
Part 3: Cattle**

畜禽遗传资源调查技术规范 第3部分：牛

Issued on: April 25, 2025

Implemented on: November 1, 2025

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

Table of Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Survey subjects

5 Survey Methods

6 Survey Content

6.1 Overview of Genetic Resources

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.

GB/T 27534 "Technical Specifications for Investigation of Livestock and Poultry Genetic Resources" and GB/T 45550 "Technical Specifications for Investigation of Bee Genetic Resources", GB/T 45552 "Technical Specifications for Investigation of Silkworm Genetic Resources" and GB/T 45553 "Technical Specifications for Investigation of Tussah Genetic Resources" jointly support the investigation of livestock and poultry, The basis for the investigation of genetic resources of bees and silkworms.

This document is part 3 of GB/T 27534 "Technical Specifications for Livestock and Poultry Genetic Resources Survey". GB/T 27534 has issued the following part.

- Part 1: General;
- Part 2: Pigs;
- Part 3: Cattle;
- Part 4: Sheep;
- Part 5: Goats;
- Part 6: Horses and donkeys;
- Part 7: Camels and alpacas;
- Part 8: Rabbit;

- Part 9: Poultry;
- Part 10. Deer;
- Part 11. Mink, fox and raccoon dog.

This document replaces GB/T 27534.3-2011 "Technical Specifications for Survey of Livestock and Poultry Genetic Resources Part 3: Cattle" and GB/T 27534.3- Compared with 2011, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The scope of application has been changed (see Chapter 1, Chapter 1 of the 2011 edition);
- b) The survey content has been changed (see Chapter 6, Chapter 5 of the 2011 edition);
- c) The survey method has been changed (see Chapter 7, Appendix B of the 2011 edition);
- d) The cattle genetic resources survey table (see Appendix A, Appendix A of the 2011 edition) has been modified.

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/TC274).

This document was drafted by: National Animal Husbandry Station, Beijing Animal Husbandry and Veterinary Research Institute of Chinese Academy of Agricultural Sciences, China Agricultural University, The college also includes Lanzhou Animal Husbandry and Veterinary Drug Research Institute, Heilongjiang Animal Husbandry Station, and Hainan Animal Husbandry Technology Extension Station.

The main drafters of this document are: Lu Jian, Chen Yan, Han Xu, Li Junya, Wang Yachun, Wang Zezhao, Cheng Wenqiang, Sun Zhihua, Liang Chunnian, Xue Ming, Gao Xue, Nie Debao and Li Boling.

The previous versions of this document and the documents it replaces are as follows.

- First published in 2011 as GB/T 27534.3-2011;
- This is the first revision.

Introduction

Livestock and poultry genetic resources are important strategic resources for maintaining national ecological security and agricultural security, and are the material basis for the

high-quality development of animal husbandry.

Conducting livestock and poultry genetic resource surveys is a statutory duty stipulated in the Animal Husbandry Law of the People's Republic of China and is an important task in approving new livestock and poultry breeds (supporting lines) and identifying The basic requirements for identifying new genetic resources, formulating livestock and poultry genetic resource protection and utilization plans and livestock and poultry genetic resource protection lists, and engaging in breeding livestock and poultry production and management, etc.

GB/T 27534 "Technical Specifications for Livestock and Poultry Genetic Resources Survey" aims to standardize and guide the investigation of livestock and poultry genetic resources. It consists of eleven parts.

- Part 1: General Principles. The purpose is to provide general survey rules for livestock and poultry genetic resources surveys.
- Part 2: Pig. The purpose is to standardize the survey content and methods of pig genetic resources.
- Part 3: Cattle. The purpose is to standardize the survey content and methods of cattle genetic resources.
- Part 4: Sheep. The purpose is to standardize the survey content and methods of sheep genetic resources.
- Part 5: Goats. The purpose is to standardize the survey content and methods of goat genetic resources.
- Part 6: Horses and donkeys. The purpose is to standardize the survey content and methods of horse and donkey genetic resources.
- Part 7: Camels and alpacas. The purpose is to standardize the survey content and methods of camel and alpaca genetic resources.
- Part 8: Rabbit. The purpose is to standardize the survey content and methods of rabbit genetic resources.
- Part 9: Poultry. The purpose is to standardize the survey content and methods of poultry genetic resources.
- Part 10: Deer. The purpose is to standardize the survey content and methods of deer genetic resources.
- Part 11: Mink, fox and raccoon dog. The purpose is to standardize the survey content and methods of mink, fox and raccoon dog genetic resources.

Technical Specifications for Livestock and Poultry Genetic Resources Survey Part 3: Cattle

1 Scope

This document specifies the objects, methods, contents, and record and archive management requirements of cattle genetic resources surveys, and describes the survey methods.

This document is applicable to the genetic resource survey of common cattle, buffalo, yak, zebu and big-headed cattle.

2 Normative references

GB/T 3157

GB 4143

GB/T 27534.1

GB/T 29392

GB/T 43838

GB/T 43842

NY/T 1180

NY/T 1333

NY/T 2659

3 Terms and definitions

There are no terms or definitions that require definition in this document.

4 Survey subjects

This shall be carried out in accordance with the provisions of GB/T 27534.1.

5 Survey Methods

This shall be carried out in accordance with the provisions of GB/T 27534.1.

6.1 Overview of Genetic Resources

This shall be carried out in accordance with the provisions of GB/T 27534.1.