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

GB/T 27534.1-2025

Replacing GB/T 27534.1-2011

**Technical specification for animal genetic resource survey -
Part 1: General**

畜禽遗传资源调查技术规范 第1部分：总则

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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.

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 form the support The basis for the investigation of genetic resources of livestock, poultry, bees and silkworms.

This document is part 1 of GB/T 27534 Technical Specifications for Livestock and Poultry Genetic Resources Survey. GB/T 27534 has been published as follows. 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 27534.1-2011 "Technical Specifications for Survey of Livestock and Poultry Genetic Resources Part 1: General Principles" and GB/T 27534.1- Compared with 2011, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) Deleted "livestock and poultry genetic resources", "livestock and poultry genetic resources protection", "breeds", "dual-purpose breeds", "central production areas", "seed farms", and "protected areas" 9 terms and definitions of "gene bank" and "pedigree" (see 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.11 of the 2011 edition);
- b) Added the term and definition of "origin" (see 3.1);
- c) The definitions of the terms "in situ conservation" and "ex situ conservation" have been changed (see 3.2, 3.3, 2.9, 2.10 of the 2011 edition);
- d) The survey subjects have been changed (see Chapter 4, Chapter 3 of the 2011 edition);
- e) The survey content and survey methods have been changed (see Chapter 6, Chapter 7, and Chapter 5 of the 2011 edition);
- f) Records and archives management has been modified (see Chapter 8, Chapter 7 of the 2011 edition);
- g) Added a summary table of livestock and poultry genetic resources (see Appendix A);
- h) The determination of endangered status of livestock and poultry breeds has been deleted (see Appendix A of the 2011 edition);
- i) The requirements for image data collection have been changed (see Appendix B, Appendix B of the 2011 edition).

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, Yangzhou University, China Agricultural University, Beijing Animal Husbandry Station, Liaoning Provincial Agricultural and Rural Development Service Center, Anhui Provincial Livestock and Poultry Genetic Resources Protection Center, Hunan Provincial Animal Husbandry and Fisheries Affairs Center.

The main drafters of this document are: Zuo Lingling, Zhang Yang, Yu Fuqing, Sun Feizhou, Lu Jian, Han Xu, Liu Jianfeng, Chen Guohong, Yang Yuze, Yuan Chunying, Xi Hailong, Lei Yong, Wang Laidi.

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

- First published in 2011 as GB/T 27534.1-2011;
- 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 1:
General

1 Scope

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

This document applies to pigs, cattle, zebu, buffalo, yaks, cattle, sheep, goats, horses, donkeys, camels, rabbits, chickens, ducks, geese, pigeons, quails Quail, sika deer, red deer, reindeer, alpaca, turkey, guinea fowl, pheasant, partridge, Muscovy duck, mallard, ostrich, emu, mink (not edible), silver fox A survey on local breeds, cultivated breeds (complementary lines) and introduced breeds (complementary lines) of black fox (non-edible), Arctic fox (non-edible) and raccoon dog (non-edible).

2 Normative references

GB/T 27534.2
GB/T 27534.3
GB/T 27534.4
GB/T 27534.5
GB/T 27534.6
GB/T 27534.7
GB/T 27534.8
GB/T 27534.9
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GB/T 27534.11