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

GB/T 27534.4-2025

Replacing GB/T 27534.4-2011

**Technical specification for animal genetic resource survey -
Part 4: Sheep**

畜禽遗传资源调查技术规范 第4部分：绵羊

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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 4 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 27534.4-2011 "Technical Specifications for Survey of Livestock and Poultry Genetic Resources Part 4: Sheep" and GB/T 27534.4- Compared with 2011, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) The body size and weight of adult sheep have been changed (see 6.3.1, 4.3.1 of the 2011 edition);
- b) Added growth and development indicators (see 6.3.2);
- c) The fattening performance indicators have been changed (see 6.3.3, 4.3.2 of the 2011 edition);
- d) The slaughter performance and meat quality indicators have been changed (see 6.3.4, 6.3.5, 4.3.3 of the 2011 edition);
- e) The wool (down) production performance index has been changed (see 6.3.6, Table C.3 in Appendix C of the 2011 edition);
- f) The milk production performance indicators have been changed (see 6.3.7, Table C.3 in Appendix C of the 2011 edition);
- g) The reproductive performance indicators have been changed to distinguish between rams and ewes (see 6.3.8, 4.3.4 of the 2011 edition);
- h) The leather performance indicators have been changed (see 6.4, 4.4 of the 2011 edition);
- i) Added survey items on body weight, growth and development, fattening performance, wool (wool) production performance, milk production performance, reproductive performance, and leather performance Law (see Chapter 7);
- j) The number of adult ewes surveyed has been changed (see 7.2.1, 4.2.1 of the 2011 edition);
- k) The number of slaughter performance and meat quality surveys has been changed (see 7.6.1, 7.7.1, 4.3.3 of the 2011 edition);
- l) Records and archives management has been changed (see Chapter 8, Chapter 6 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, Lanzhou University, Gansu Agricultural University, Beijing Animal Husbandry and Veterinary Medicine Institute of the Chinese Academy of Agricultural Sciences Institute of Animal Husbandry, Institute of Animal Husbandry Quality and Standards, Xinjiang Academy of Animal Husbandry Sciences, Jilin Provincial Animal Husbandry Station, Tibet Autonomous Region Animal Disease Prevention and Control Center Center (Tibet Autonomous Region Animal Husbandry Station), Ningxia Hui Autonomous Region Animal Husbandry Station.

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The previous versions of this document and its replacement documents are as follows.

- First published in 2011 as GB/T 27534.4-2011;
- 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. A part composition.

- 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 4: Sheep

1 Scope

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

This document applies to sheep genetic resources surveys.

2 Normative references

GB/T 27534.1

GB/T 32134

NY/T 1180

NY/T 1236