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

GB/T 19200-2025

Replacing GB/T 19200-2003

Diagnostic techniques for swine vesicular disease

猪水疱病诊断技术

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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.

This document replaces GB/T 19200-2003 "Diagnostic Techniques for Swine Vesicular Disease" and GB/T 22917-2008 "Fluorescence Spectroscopy of Swine Vesicular Disease"

Virus".

RT-PCR detection method". This document is based on GB/T 19200-2003 and integrates the contents of GB/T 22917-2008.

Compared with GB/T 19200-2003, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Changed the scope (see Chapter 1, Chapter 1 of the 2003 edition);
- Added abbreviations (see Chapter 4);
- Increased clinical diagnosis (see Chapter 5);
- Added biosafety measures (see Chapter 6);
- Added reverse transcription-polymerase chain reaction (RT-PCR) (see Chapter 9);
- Added fluorescent reverse transcription polymerase chain reaction (fluorescent RT-PCR) (see Chapter 10);
- Added monoclonal antibody competition enzyme-linked immunosorbent assay (monoclonal antibody competition ELISA) (see Chapter 12);
- Added comprehensive judgment (see Chapter 13);
- Deleted the reverse indirect hemagglutination test (RIHA) (see 2.5 of the 2003 edition);
- Deleted agar gel immunodiffusion test (AGID) (see Chapter 3 of the 2003 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 is 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 Health Standardization (SAC/TC181).

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

- First published in 2003 as GB/T 19200-2003;
- This is the first revision, incorporating the technical content of GB/T 22917-2008.

Introduction

An acute, contagious disease of pigs characterized by blisters around the hooves, mouth, snout, and teats, with no obvious signs of infection in the internal organs.

SVDV belongs to the Picornaviridae family, Enterovirus genus, and has only one The World Organization for Animal Health (WOAH) lists it as a notifiable disease, and China defines it as a Class I animal disease.

1 Scope

This document describes the clinical diagnosis of swine vesicular disease, laboratory diagnostic sample collection and processing, as well as virus isolation, reverse transcription-polymerase chain reaction Laboratory diagnostic methods include PCR, fluorescent reverse transcription-polymerase chain reaction, virus neutralization test, monoclonal antibody competitive enzyme-linked immunosorbent assay, etc.

This document applies to the diagnosis, quarantine, detection, monitoring and epidemiological investigation of swine vesicular disease.

2 Normative references

GB 19489

3 Terms and Definitions

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

4 Abbreviations

The following abbreviations apply to this document. BEI. Binaryethylenimine OD. Optical density RNA. Ribonucleic acid