

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

SN/T 2863-2011

**Quarantine protocol for equine encephalitis (eastern and
western)**

马脑脊髓炎(东部型和西部型)检疫技术规范
(English Translation)

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Table of Contents

Foreword

1 Scope

2 Normative references

3 Abbreviations

3.1 EEE (easternequineencephalitis). Eastern equine encephalomyelitis

3.2 WEE (westernequineencephalitis). western equine encephalomyelitis

3.3 VEE (venezuelanequineencephalitis). Venezuelan equine encephalomyelitis

3.4 WN (westnilefever). West Nile fever

3.5 RK-13 cell line (rabbitkidney-13celline). rabbit kidney cell line

3.6 Vero cell line (africangreenmonkeykidneycelline). African green monkey kidney cell line

4 Bio-safety requirements

5 Sample Collection

5.1 Reagents and materials

5.2 Number and type of sampling

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This revised standard adopts the World Organisation for Animal Health (OIE) of "terrestrial animals Handbook (2009 Edition) Chapter 2.5.5" equine encephalomyelitis . (Eastern and western patterns) "In addition to editorial changes, the major technical changes are as follows.

- Refine the immunofluorescence test methods;
- Refine the reverse transcription polymerase chain reaction detection method;
- Increased hemagglutination content;
- Modify the IgM capture ELISA substrate reaction time was 30min ~ 35min;
- Remove the complement fixation test.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. Chongqing, People's Republic of China Exit Inspection and

Quarantine, in Chongqing Import and Export Food Safety Engineering Technology Heart, People's Republic of China Shandong CIQ.

1 Scope

This standard specifies the separation of eastern equine encephalitis virus and western equine encephalomyelitis, immunofluorescence assay, RT-PCR test, Hemagglutination inhibition test, IgM capture ELISA and technical requirements and decreases in plaque tests.

This standard applies to the entry and exit of animals eastern equine encephalitis and western equine encephalomyelitis quarantine.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including with amendments) apply to this document.

GB/T 18088 Entry and Exit Animal Quarantine sampling

3 Abbreviations

The following abbreviations apply to this document.

3.6 Vero cell line (africangreenmonkeykidneycelline). African green monkey kidney cell line

3.7 RT-PCR (reversetranscription-polymerasechainreaction). reverse transcriptase polymerase chain reaction

4 Bio-safety requirements

This standard virus isolation, immunofluorescence assay and plaque reduction neutralization test pitting, required grade III biosafety laboratory.

EEE laboratory personnel need to be vaccinated in advance, plaque subtrahend neutralizing antibody titers above 1.40.

5.1 Reagents and materials

Lancets, centrifuge tubes, vials, surgical tweezers, pliers craniotomy, broken bones, knife, surgical scissors, sample buffer (preparation see A.1.3).

5.2 Number and type of sampling

The number of samples accordance with GB/T 18088 requirements. Sample types include. serum, cerebrospinal fluid, tissue [brain and (or) spinal cord].