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SN

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3499-2013

Quarantine protocol for neosporosis

新孢子虫病检疫技术规范

(English Translation)

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Foreword

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

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

This standard was drafted. Xinjiang People's Republic of China Exit Inspection and Quarantine.

1 Scope

This standard specifies the neosporosis histopathological examination, polymerase chain reaction, real-time PCR and indirect ELISA test Technical inspection requirements.

This standard applies to neosporosis 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 any amendments) applies to this document.

Laboratory use specifications and test methods GB/T 6682 analysis.

3 Overview

Neosporosis (Neosporosis) is a variety of the caninum (Neosporacaninum) caused by parasites in the host body Livestock were suffering protozoosis, was distributed worldwide. Dogs are Neospora final host, cattle, sheep, dogs, horses, deer, mice and the like can be used as an intermediate Host. The disease is particularly serious harm to cattle, mainly

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cows cause miscarriage, stillbirth and neonatal neurological disorders motion.

4.1 Instruments and equipment

4.1.1
paraffin slicing machine.

4.1.2
exhibition piece units.

4.1.3
flat baking sheet or oven temperature. room temperature to 100 °C.

4.1.4
Microscope. with high magnification (40 x) and oil immersion objective (100 x).

4.1.5
High-speed centrifuge.

4.1.6
PCR amplification.

4.1.7
gel imaging analyzer.

4.1.8
fluorescent PCR amplification.

4.1.9
microplate reader.

4.2 Reagents and solutions

4.2.1
Mayr - Bennett hematoxylin (Mayer-BennettHematoxylin) staining solution (see Appendix A A.1).

4.2.2 1% eosin stock solution (see A.2).

4.2.3
PBS solution (see A.3).

4.2.4
fixative (see A.4).

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4.2.5

glycerin protein paste tablets (see A.5).

4.2.6

DNA extraction kit commercialization DNAzol, can also be formulated their own genomic DNA extraction kit.

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