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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3505-2013

Quarantine protocol for canine dirofilariasis

犬恶丝虫病检疫技术规范

(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. People's Republic of China Sichuan Exit Inspection and Quarantine, Agricultural University, Sichuan, Chongqing, the People's Republic of China Entry Inspection and Quarantine Bureau.

1 Scope

This standard specifies the technical specifications quarantine heartworm.

This standard applies to heartworm morphology, PCR detection and antibody detection.

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

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3.1 Installations and equipment

3.1.1
ordinary centrifuge.

3.1.2
an optical microscope.

3.1.3
stereomicroscope.

3.1.4
Anatomy equipment.

3.2 Reagents and materials

3.2.1 2% (volume fraction) aqueous solution of formaldehyde.

3.2.2
methylene blue staining solution preparation see Appendix A of A.1.

3.3 Microfilariae observed (modified Kolmogorov test)

Collection of peripheral blood of animals to be tested 5mL, per milliliter was added 9mL2% aqueous solution of formaldehyde, 1500r/min centrifugal 10min after mixing, to the supernatant, take a small amount of sediment, methylene blue staining, microscopy to observe, record and photographed. The main morphological features heartworm microfilariae are. size (218μm ~ 329μm) x (5μm ~ 7μm), no sheath, was cone-shaped front, the rear end of an elongated, relatively straight. After staining parasites blue, Senate See Appendix B.

3.4 Adult Observation

Anatomy of sick animals, check the right ventricle and the pulmonary artery. Bugs takes the shape of a whitish, elongated fan-shaped. Mouth surrounded by six papillae obvious.

Male length of 12cm ~ 20cm, rear spiral curl, narrow tail membrane, the tail end of a mastoid 11 pairs (5 pairs before anal 6 after anal), intercourse Thorn 2, of varying length. Female length is 25cm ~ 30cm, rounded rear end, vulva opening in the rear end of the esophagus, see Appendix B.

4.1 Installations and equipment

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4.1.1

pipette (10μL, 200μL, 1000μL each one).

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