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

SN/T 3497-2013

**Quarantine protocol for Gnathostoma in aquatic products
(English Translation)**

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Overview
- 4 Equipment and Materials
 - 4.1 Instruments and equipment
 - 4.2 Reagents and solutions
 - 4.3 Primer

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 Shanghai Entry-Exit Inspection and Quarantine Bureau, Guangxi University, Guangxi Zhuang Autonomous Region Disease Prevention and Control System Center, Chinese Center for Disease Control Parasitic Diseases Control and Prevention, Heilongjiang People's Republic of China Exit Inspection and Quarantine.

1 Scope

This standard specifies the morphological analysis and PCR detection method jaw spinigerum third stage larvae.

This standard applies to fish in the jaw spinigerum quarantine, epidemiological investigation and monitoring.

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 GB/T 18088 Entry and Exit Animal Quarantine sampling

3 Overview

Jaw nematode (Gnathostomiasis) is a human beast from the jaw spinigerum (Gnathostoma) caused by parasitic disease. Mainly due to people Ingestion of raw or undercooked containing jaw spinigerum third stage larvae of aquatic worm disease caused by jaw mouth. Jaw spinigerum classification, life history, points Cloth See Appendix A.

4.1 Instruments and equipment

4.1.1

Biological microscope.

4.1.2

stereomicroscope.

4.1.3

PCR amplification.

4.1.4

electrophoresis.

4.1.5

gel imaging system.

4.1.6

mesh sieve (10 mesh).

4.2 Reagents and solutions

4.2.1

Taq enzyme (5U/ μ L).

4.2.2 2.5mmol/LdNTP.

4.2.3 25mmol/LMgCl₂.

4.2.4 10 x PCR buffer (without Mg²⁺).

4.2.5

Molecular Weight indicator. 100bp ~ 2000bpDNAMarker.

4.2.6 50% and 70% ethanol.

4.2.7

water, in line with GB/T 6682 stipulated a water.

4.2.8

Artificial digestion, phenol transparent lactate solution, Tris-acetate electrophoresis buffer (the TAE), agarose gel, 6 x loading buffer (preparation See Appendix B).

4.3 Primer

Amplification jaw spinigerum ribosomal DNA second internal transcribed spacer (ITS2) primer sequences are.