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

SN/T 1151.3-2013

Replacing SN/T 1151.3-2002

**Quarantine protocol for infection with *Penaeus monodon*-type
baculovirus
(English Translation)**

Issued on: January 1, 1970

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Foreword

SN/T 1151 is divided into six parts.

- Part 1. Shrimp Taura syndrome quarantine technical specifications;
- Part 2. Specification of white spot disease quarantine;
- Part 3. monodon baculovirus disease (MBV) quarantine technical specifications;
- Part 4. shrimp yellow head disease quarantine technical specifications;
- Part 5. shrimp baculovirus (BP) test methods;
- Part 6. White Spot virus dot blot and in situ hybridization procedures.

This section SN/T 1151 Part 3.

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

The partial replacement of SN/T 1151.3-2002 "monodon baculovirus diagnostic methods." this section compared with the SN/T 1151.3-2002, in addition to editorial changes outside the main technical changes are as follows.

- Increasing the wet plate method;
- Refine the tissue slicing;
- PCR primers methods become more sensitive to two pairs of nested primers.

This section reference OIE Aquatic Animal Diagnostics Manual 2006 edition chapter 2.3.5 recommended monodon baculovirus wet plate method, Slice and PCR methods to detect tissue.

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

1 Scope

This section SN/T 1151 provisions of monodon baculovirus disease (Penaeusmonodon-typebaculovirus, MBV) the subject Measuring method, fecal wet sheet can be detected in the screening test for broodstock. Tissue sections and PCR methods can be used in combination diagnosed quarantine method.

This section applies to monodon baculovirus diagnosis and identification of disease for disease epidemiology, quarantine 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

3 Abbreviations

The following abbreviations apply to this document.

MBV. monodon baculovirus (Penaeusmonodon-typebaculovirus) DEPC. diethyl pyrocarbonate (diethylpyrocarbonate) Taq enzyme. TaqDNA polymerase (TaqDNApolymerase) dNTP. deoxyribonucleoside triphosphate (deoxyribonucleosidetriphosphate) EDTA. ethylenediaminetetraacetic acid (ethylenediaminetetraaceticacid) Tris. Tris (hydroxymethyl) aminomethane (tris (hydroxymethyl) aminomethane) PCR. polymerase chain reaction (polymerasechainreaction) Davison'sAFA. Davis fixative

4 Instruments and equipment

4.1

paraffin tissue slicer.

4.2

tissue dehydration (dehydration cylinder by hand).

4.3

paraffin embedding machine.

4.4

slide stainer (required to use hand-dyed tank).

4.5

Exhibition sheet used in water bath.

4.6

drying machine.

4.7

upright microscopes.

4.8

slides, cover slips and other conventional tissue sections appliances.

4.9

refrigerated centrifuge.

4.10 -80 °C ultra-low temperature freezer.