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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3284-2012

Detection and indentification of Albonectria rigidiuscula

可可花瘿病菌检疫鉴定方法

(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 Hainan Entry-Exit Inspection and Quarantine Bureau.

1 Scope

This standard specifies the quarantine and identification of cocoa flower gall bacteria.

This standard applies to Theobroma quarantine and identification of plants and their products, cocoa flower gall bacteria.

2 Basic information of germs

Cocoa flower gall bacteria fungi genus sector (Fungi), Ascomycota (Ascomycota), fecal bacteria shell Gang (Sordariomycetes), Hypocrea Head (Hypocreales), red shell Cong Branch (Nectriaceae), Cong white shell genus (Albonectria).

The bacteria mainly through the wound penetrated host, the source of infection sick one seed, and second strain of broken branches and leaves, soil bacteria in diseased tissues or Soil can survive for 3 years to 5 years. By soil bacteria, propagation material (seeds and vegetative propagation material) spread.

Principle 3

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According to the morphological characteristics of cocoa flower gall bacteria, culture traits, characteristics and symptoms of disease caused by host range (see Appendix A and attached Record B), separation method using Pathogens and pathogenicity assay for detection and identification.

4.1 Reagents

Agar powder, potato, glucose.

Malachite green, Tween-20, sodium hypochlorite, alcohol.

4.2 Medium

Bacteria isolated and purified using PDA medium.

5 Apparatus and appliances

Biological microscope (with camera device and micrometer), stereo microscope, balance (sense of volume 0.1g), refrigerator (4 °C ± 2 °C; -80 °C), Clean table, Autoclave, light incubator, magnetic stirrer.

Hemacytometer, syringes, scalpels, scissors, forceps, slides, cover slips, measuring pipette, petri dishes, test tubes (20 mL), three Angular bottle (250mL), beaker (1000mL), alcohol lamp, sealed membrane, absorbent paper, cotton wool.

6.1 Quarantine site

Check carefully observe the typical symptoms or suspected symptoms (see Appendix A) and soil. Surface tissue disease may have a sense of flower gall, or tumor

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