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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3674-2013

Detection and identification of Impatiens necrotic spot virus

凤仙花坏死斑病毒检疫鉴定方法

(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 Yunnan Exit Inspection and Quarantine.

1 Scope

This standard specifies the Impatiens necrotic spot virus quarantine and identification methods.

This standard applies to the entry and exit of live plant material, including vegetative propagation material, tissue culture and seedlings of impatiens necrotic spot virus quarantine and identification.

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 Principle 3 Chinese name. Impatiens necrotic spot virus Name. Impatiensnecroticspotvirus Abbreviation. INSV Taxonomic position. Bunyaviridae (Bunyaviridae), tomato spotted wilt virus genus (Tospovirus).

Serological properties and molecular characterization INSV (see Appendix A) is the main

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basis for quarantine and identification of the virus.

4.1 Instrument

Electronic balance (0.0001g), autoclaves, ice maker, a vortex, high-speed refrigerated centrifuge, ultra-low temperature refrigerator, microwave, Microplate reader, PCR instrument, electrophoresis, horizontal electrophoresis tank, gel imaging system, real-time PCR instrument.

4.2 Appliances

Adjustable micropipette (2μL, 10μL, 100μL, 200μL, 1000μL) and the corresponding RNase-free tips, RNase-free centrifugal Tubes, PCR tubes, ELISA plates and mortar and the like.

4.3 Reagents

Deionized or distilled water should be consistent with GB/T 6682 in tertiary water requirements, ultra-pure water should comply with GB/T 6682 in a water Claim.

The reagents used for the INSVDAS-ELISA Test Kit, Trizol, DEPC, liquid nitrogen, chloroform, isoamyl alcohol, isopropanol, ethanol, M-MLV reverse transcriptase, TaqDNA polymerase, DNA molecular weight standards, ethidium bromide, agarose, bromophenol blue. Unless otherwise noted in addition, all reagents were of analytical grade or biochemical reagents. No INSVDAS-ELISA test kit, serological reagents preparation method See Appendix B, molecular biology reagent preparation see Appendix C.

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