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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3293-2012

Detection and identification of narcissus mosaic virus, narcissus latent virus and narcissus yellow virus

水仙花叶病毒、水仙潜隐病毒、水仙黄条病毒的检疫鉴定方法

(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 Fujian Entry-Exit Inspection and Quarantine Xiamen People's Republic of China Bureau, Inspection and Quarantine of China Academy of Sciences study, Fujian Agriculture and Forestry University.

1 Scope

This standard specifies the daffodils mosaic virus, Narcissus latent virus, procedures and methods Narcissus yellow stripe virus detection.

This standard applies to the entry and exit of daffodils narcissus mosaic virus, Narcissus latent virus detection, Narcissus yellow stripe virus.

2 Principle of the method

Narcissus mosaic virus, Narcissus latent virus, serological and molecular biological characteristics Narcissus yellow stripe virus is present quarantine and identification method developed the main basis. Taxonomic status of the three viruses, host range, disease symptoms, geographical distribution, transmission, particle morphology, genome, etc. See attached Record A.

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3.1 Equipment

High-speed refrigerated centrifuge, microbalance (1/1000g), PCR instrument, electrophoresis, horizontal electrophoresis tank, -20 °C low temperature freezer, -80 °C ultra Cryogenic refrigerators, gel imaging analysis system, pH meter, a microwave, a magnetic stirrer, constant temperature water bath, autoclaves, clean benches, ELISA Instrument.

3.2 Appliances

Various measurement ranges adjustable pipette (1000μL, 200μL, 100μL, 20μL, 10μL, 2μL), PCR reaction tube, RNase-free from Heart tube (1.5mL), mortar, ELISA plates.

3.3 Reagents

ELISA plate antigen capture enzyme-linked immunosorbent assay (Plate-trappedantigenELISA, PTA-ELISA) reagent in Appendix B, RT-PCR reagents in Appendix C.

4.1 PTA-ELISA

Specific methods in Appendix B.

4.2 RT-PCR

Specific methods, see Appendix C.

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