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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3560-2013

Detecting method for Yellow fever virus, Dengue virus, Chikungunya virus, West Nile virus by multiplex real-time fluorescence RT-PCR at frontier ports

国境口岸黄热病毒、登革病毒、基孔肯雅病毒、西尼罗病毒的多重实时荧光RT-PCR检测方法

(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 Shanghai Entry-Exit Inspection and Quarantine Bureau, People's Republic of China Guangdong Entry-Exit Inspection and Quarantine Bureau, People's Republic of China Jiangsu Entry-Exit Inspection and Quarantine Bureau.

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Border crossings yellow fever virus, dengue virus, chikungunya Virus, West Nile virus multiplex real-time fluorescence RT-PCR detection method

1 Scope

This standard specifies the border crossings yellow fever virus, dengue virus, Chikungunya virus, West Nile virus fluorescent multiplex real-time RT-PCR Object detection test, test methods, procedures and results reporting.

This standard applies to the border port of entry and exit or Mosquitoes carry malaria, yellow fever virus, dengue virus, Chikungunya virus, West Nile virus real Rapid laboratory screening tests.

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.

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GB 19489 General requirements for laboratory biosafety Applications WS/T 230 clinical diagnostic polymerase chain reaction (PCR) technology

3 Abbreviations

The following abbreviations apply to this document.

Real-time fluorescent RT-PCR. Real-time fluorescence reverse transcription - polymerase chain reaction when the number of cycles of each reaction tube fluorescent signal reaches the threshold set by experienced. Ct values FAM. FAM fluorescent dye, a fluorescent reporter group HEX. HEX fluorescent dye, a fluorescent reporter group TexasRed. TexasRed fluorescent dye, a fluorescent reporter group CY5. CY5 fluorescent dye, a fluorescent reporter group BHQ. Black Hole quencher LNA. Lock nucleotide

4 Terms and Definitions

The following terms and definitions apply to this document.

Yellow fever virus Yelowfevervirus Belongs to the Flaviviridae Flavivirus members for RNA viruses, yellow fever is caused by human pathogens. Media for the mosquitoes.

Dengue virus Denguevirus Flaviviridae genus flavivirus, including I, II, III, IV four serotypes, is enveloped single-strand RNA viruses. Dengue virus

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