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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3740-2013

Detection method for St Louis encephalitis virus at frontier ports. Real-time fluorescence TR-PCR

国境口岸圣路易斯脑炎病毒检测方法 实时荧光RT-PCR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. Chinese Academy of Inspection and Quarantine, Shenzhen People's Republic of China Exit Inspection and Quarantine.

1 Scope

This standard specifies the border crossings St. Louis encephalitis virus infection or suspected cases of St. Louis encephalitis mosquito carrying the virus nucleic acid in real-time fluorescence Light RT-PCR detection methods, including specimen collection, storage and transport, sample processing, detection, and determines and reports.

This standard applies to border crossings infected or suspected cases of St. Louis encephalitis virus in mosquitoes carrying St. Louis encephalitis virus lab Testing.

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.

GB 19489 General requirements for laboratory biosafety WS233 Microbiological and Biomedical Laboratories Biosafety Common Criteria can infect humans highly pathogenic microorganisms (viruses) or sample transport regulations (People's Republic of China Ministry of Health Order no. 45)

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3 Terms and Definitions

The following terms and definitions apply to this document.

St. Louis encephalitis virus St.Louisencephalitisvirus Genus Flaviviridae (Flaviviridae) Flavivirus (Flavivirus) single-strand RNA virus, and Japanese encephalitis virus, West Nile disease Poison, Murray Valley encephalitis virus (MurrayValeyEncephalitisvirus), Kunjin virus (Kunjunvirus), etc. belong to one serotype, it is an insect-borne virus, mainly through Culex (determined in US media to mosquitoes Culextarsalis, Cx.pipiens, Cx.quinque-fasciatus and Cx.nigripalpus based) transmission, as the main host of birds to the bird - mosquito - bird cycle as the basic transmission cycle. Humanity is currently the only known species after species naturally infected with the pathogenic virus, the virus infection in humans can cause fever, headache and other flu-like symptoms Like, also showed symptoms of central nervous system infection, severe cases may die.

4 Detects objects

Frontier Port St. Louis encephalitis virus infection or suspected cases intercepted mosquitoes.

5 Laboratory bio-safety requirements

5.1
CHECK personal protective reference GB 19489.

5.2
Biosecurity should comply with GB 19489 and WS233 for biosafety level 2 (BSL-2) is required for biosafety laboratories.

5.3
Used Lab Supplies shall comply with GB 19489 requirements for the processing of waste treatment and disposal.

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