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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3736-2013

Detection method for enterovirus 71(EV71 virus)by real time fluorescence RT-PCR at frontier ports

国境口岸肠道病毒71型(EV71病毒)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, Shenzhen CIQ, Shenzhen Inspection and Quarantine Science Research Institute, the Chinese people Republic of Sichuan Exit Inspection and Quarantine.

1 Scope

This standard specifies the requirements for biosafety border crossings EV71 HFMD virus detection, specimen collection, transport and preservation of specimens Processing, EV71 virus real-time fluorescent RT-PCR detection method.

This standard applies to molecular biology frontier ports of entry and exit who carry EV71 virus.

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 it can infect humans highly pathogenic microorganisms (viruses) or sample transport regulations (People's Republic of China Ministry of Health Decree no. 45) Pathogenic microorganisms (viruses) Collection agency management approach (Ministry of Health) Human infection

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3 Terms and Definitions

The following terms and definitions apply to this document.

Enterovirus 71 Enterovirus71 One of the main pathogens causing HFMD. Are small RNA virus family (picornaviridae) of enterovirus (entero-virus), A group of enteroviruses. EV71 virus is a single positive-stranded RNA, non-enveloped viruses, small spherical (diameter 20nm ~ 30nm), 20 surface Body symmetry.

4 Abbreviations

The following abbreviations apply to this document RT-PCR. reverse transcriptase polymerase chain reaction (Reversetranscription-polymerasechainreaction) Cycles (Cyclethreshold) experienced by threshold cycle, each reaction tube of the fluorescent signal reaches a set threshold when. Ct value RNA. ribonucleic acid (Ribonucleicacid) FAM. 6- carboxy-fluorescein, a fluorescent reporter group (6-carboxy-fluorescein) TAMARA. 6-carboxy-tetramethylrhodamine a fluorescent quencher (6-carboxytetramethylrhodamine)

5 Bio-safety requirements

5.1

Personal Protective follow GB 19489.

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