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Code of detecting machupo virus by real-time fluorescence RT-PCR

马秋波病毒实时荧光RT-PCR检测规程

(English Translation)

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Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

Please note that some of the content of this document may involve patents. Distribution of this document Institutions do not assume the responsibility to identify these patents.

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. China Inspection and Quarantine Science Research Institute, People's Republic of China Fujian Exit Inspection and Quarantine, the People's Republic of China Exit Inspection and Quarantine and the State of Liaoning.

1 Scope

This standard specifies the real-time fluorescent RT-PCR method for rapid detection of personnel or border port of entry and exit of the virus carried by rats Maqiu Bo, package Including the detection object, specimen collection and handling, testing procedures, and determines and reports.

This standard applies to the border port of entry and exit of rodents carrying persons or molecular biology Ma Qiubo 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 can infect humans highly pathogenic

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microorganisms (viruses) or sample transport regulations (Ministry of Health 2005)

3 Terms and Definitions

The following terms and definitions apply to this document.

Ma Qiubo virus machupovirus Genus sand families, including eight kinds clade, the genome is segmented double-stranded RNA, the L (large) and S (small) fragments, encoding dependent RNA-RNA polymerase, and zinc finger protein envelope glycoprotein, nucleoprotein. First discovered in 1962 in Bolivia, so the cause of bleeding Bolivian hemorrhagic fever, also known as heat. The virus from the twilight rat corpus callosum (Calomyscallosus, also known as white-footed mice) carrying spread, mainly through the mouse Secretions of infected humans.

4 Abbreviations

The following abbreviations apply to this document.

RT-PCR. reverse transcriptase polymerase chain reaction Cycle threshold number of cycles, each reaction tube fluorescent signal reaches the set threshold experienced. Ct values RNA. ribonucleic acid DEPC. diethyl dicarbonate cheese FAM. 6- carboxy - fluorescein, a fluorescent reporter group BHQ. Black Hole quencher

5 Detects objects

Ma Qiubo suspected of being infected and the virus entry and exit of personnel suspected of carrying the virus Maqiu Bo mouse.

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