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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3562-2013

PCR detection on Plasmodium at frontier ports

国境口岸疟原虫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 Hebei Entry-Exit Inspection and Quarantine Bureau, Chinese Center for Disease Control Parasitic Diseases Control and Prevention.

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PCR detection of Plasmodium border crossings

1 Scope

This standard specifies the border crossings Plasmodium specimen collection, submission, PCR testing and the results of determination.

This standard applies to border crossings Plasmodium test.

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 SN/T 1300 frontier port monitoring procedures Mosquitoes

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3 Terms and Definitions

The following terms and definitions apply to this document.

Plasmodium falciparum Coccidia really belong mesh (Eucoccidida), Plasmodium Branch (Plasmodidae), Plasmodium (Plasmodiun), malaria (malaria) Pathogens. Parasitic human Plasmodium vivax have (Plasmodiumvivax), P. falciparum (Plasmodiumfalcipa-rum), Plasmodium malariae (Plasmodiummalariae) and P. ovale (Plasmodiumovale) 4 species.

Nested PCR method nestedPCR A special PCR, using two pairs of PCR primers to amplify DNA fragments methods. In the first pair of nested PCR Based PCR primers amplified fragments on the use of a second pair of primers (also known as nested primers) were amplified, the primers can be combined for the first time Internal PCR product, such that a second PCR amplified fragment is shorter than the first amplification, the improved amplification specificity.

4 Laboratory requirements

Lab structure and facilities, safety operation, safety and personal protection should be consistent with GB 19489 requirements.

5 OBJECT

5.1
frontier port found Plasmodium patient specimens suspected of being infected.

5.2
mosquito specimens from malaria-endemic areas.

5.3
Other required test specimens.

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