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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 3885-2014

Procedures of rapid screening infectious diseases by Thermal Texture Mapping(TTM) at frontier port

国境口岸热断层（TTM）技术快速筛查传染病操作规程

(English Translation)

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Preview: page 1 of 3 shown, 8 in the full document. Complete English PDF, instant download:
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Table of Contents

Foreword

1 Scope

2 Terms and definitions

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 Beijing Entry-Exit Inspection and Quarantine Bureau, Beijing Pui one hundred million Aetna Medical Research Institute.

1 Scope

This standard specifies requirements for the use of thermal faults (TTM) screening technology involved in infectious diseases, port screening procedures, equipment maintenance and safety Measures.

This standard applies to border crossings by thermal tomography (TTM) technical characteristics of the immigration officers have the head and face hot tomography (TTM) image Rapid screening of infectious diseases.

2 Terms and definitions

The following terms and definitions apply to this document.

Thermal fault ThermalTextureMaps, TTM Acquisition metabolic heat human tissue cells, according to the different distribution of human cells and metabolic heat difference with the surrounding tissue metabolic heat cells, Analyzing human tissue cells function in real-time status of medical imaging technology.

Cell metabolic heat heatofcelmetabolism Heat human tissue cells in the metabolic process.

Head and facial features of metabolic heat cells featureofcelmetabolismheatonfacialandhead Patients with infectious H1N1 influenza, malaria and tuberculosis in the incubation period, the incidence of and recovery period, especially the head and face Some cellular metabolic heat distribution.

Hot tomographic image TTMimage by thermal fault (TTM) system, the metabolic heat of

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human cells distributed medical imaging digitized image information is formed.

Hot tomographic image features Automatic Identification TTMimagingfeatureautomaticidentification Using computer automatic identification technology, thermal fault (TTM) for automatic image analysis of cells with specific metabolic heat analysis features Image of automatic identification, alarm, to replace the manual analysis process and identify.

Hot tomographic image non-uniformity correction TTMimagetouchup Through a special way so that the heat tomography (TTM) background image uniform, for better image display.

Blackbody

Can all absorb external electromagnetic radiation at any temperature and without any reflection and transmission over the object, and does not exist in nature completely Bold, use artificial means can be manufactured very close to the kind of regulatory bold, well-designed regulations can be used as a standard sample blackbody radiation.

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