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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SN/T 1280-2014

Replacing SN/T 1280-2003

Inspection codes for plague at frontier port

国境口岸鼠疫检验规程

(English Translation)

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Foreword

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

Instead of the standard SN/T 1280-2003 "frontier port inspection of the plague." this standard compared with SN/T 1280-2003, the main technical changes are as follows.

- Modify the normative references. "GB 15991-1995" changed to "WS279";
- Modify the requirements. "special laboratory" was changed to a predetermined "Ministry of Health" human infection of pathogenic microorganisms list "of the corresponding grade students Biosafety laboratory "," conditions are met by the polymerase chain reaction (PCR) "was changed to" plague with specific antigen and antibody detection and DNA Testing";
- Revised inspection procedures;
- Modify the result of the determination;
- Revised Appendix A, Appendix B, Appendix D, Appendix B is amended as normative appendix.

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

This standard was drafted. Inner Mongolia People's Republic of China Entry-Exit Inspection and Quarantine Tianjin People's Republic of China Exit Inspection and Quarantine Bureau and the Heilongjiang People's Republic of China.

1 Scope

This standard specifies the border crossings plague testing laboratory bio-safety norms, acquisition of materials, storage and transport, inspection procedures, results

determination.

This standard applies to border inspection and quarantine work plague laboratory 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.

WS279 plague diagnostic criteria "Human infection pathogens List" (Ministry of Health)
"Can infect humans highly pathogenic microorganisms (viruses) or sample transport regulations" (Ministry of Health)

3 Requirements

3.1

pestis test should be carried out within the Ministry of Health, "human infectious pathogens List" provides the appropriate level of biosafety laboratory.

3.2

Inspection personnel should be familiar with and abide by laboratory management system, self-protection systems, and other technical rules, see Appendix A.

It should be more than 3.3 at the same time to enter the laboratory work.

3.4

timely and accurate experimental records do all the tests.

3.5

with plague-specific antigen and antibody detection (see WS279) and genetic testing (see Appendix B), a quick preliminary test port plague.

4.1 Equipment and Materials

Balance; centrifuges, centrifuge tubes; shaker; incubator; microscope; dissecting dish, scissors, tweezers, short; lidded white Cigang; vaccination rods, platinum ear; flat Dish; sterilized small test tube; 1mL syringe; microplate hemagglutination dilution rods; quantitative dropper.

4.2.1 Test *Yersinia pestis*

95% ethanol; saline; Gram, methylene blue dye; hemolysis (0.1%) Hearst agar plate medium (medium prepared in Appendix C);

Gentian violet [(1.10 million) - (200000)] sodium sulfite (0.025%) gentian violet plate or

hemolysis plate medium; plague bacteriophage.

4.2.2 Indirect hemagglutination test (IHA)

4.2.2.1 2.5 sensitized blood cell antigen. Bacterial agglutination titer 1.320 more whole cell plague serum titration, hemagglutination it should not be less than 1.40000; and cross pseudotuberculosis serum titre should be not higher than 1.5; sensitized blood cells consistent with the provisions of the two qualified Diagnostic blood cell, every plague before the start of the season should be sensitized blood cell batches or replace the above titration.