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# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# SN/T 3198-2012

## Quarantine protocol of RT-PCR for swine getah disease

猪盖塔病RT-PCR检测技术规范

**(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 Jiangsu Entry-Exit Inspection and Quarantine Bureau, Nanjing, People's Republic of China Entry-Exit Inspection and Quarantine Bureau, Nanjing Agricultural University.

## 1 Scope

This standard specifies the swine Gaita disease quarantine norms.

This standard applies to pig Gaita Epidemiological Investigation and Inspection and Quarantine.

## 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.

Laboratory use specifications and test methods GB/T 6682 Analysis



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## 3 Abbreviations

The following abbreviations apply to this document.

Getah. Gaeta disease

### 4.1 Reagents

#### 4.1.1
TAE electrophoresis buffer preparation see Appendix A.1,1.0% agarose gel plate preparation see Appendix A.2.

#### 4.1.2
synthetic pig disease virus tower cover CAP gene as a positive control, sterilized DEPC-treated distilled water as negative Control.

#### 4.1.3
primer.

Primer 1 (20 pmol/μL) CAP-1. 5'-cgcctcgagatgaattacattccaactcaa-3 ' Primer 2 (20 pmol/μL) CAP-2. 5'-ctcctgcagccattcttctgttccttctgg-3 '

#### 4.1.4
RT-PCR reagents. PCR reaction buffer, AMV reverse transcriptase, RNaseinhibitor and Taq enzyme, dNTPs, MgCl2, DEPC treated sterile distilled water.

#### 4.1.5
Electrophoresis loading buffer. 6 x loadingbuffer.

#### 4.1.6
DNA molecular weight markers. 100bp ~ 2000bp.

### 4.2 Material

#### 4.2.1
PCR thermal cycler.

#### 4.2.2
electrophoresis.

#### 4.2.3
gel imaging system.



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### 5.1.1 Mosquito sample

Take mosquito to be tested with DEPC-treated water and the overall configuration of PBS slurry mixing ratio of 1.10 into the grinder in an ice bath



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