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**NATIONAL STANDARD OF THE
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Real-time PCR method for detection of porcine circovirus type 2

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Foreword

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

This standard proposed by the People's Republic of China Ministry of Agriculture.

This standard by the National Animal Husbandry Standardization Technical Committee (SAC/TC181) centralized.

This standard was drafted. Shanghai Entry-Exit Inspection and Quarantine of the People's Republic of China, Shanghai Institute of Veterinary Medicine, Chinese Academy of Agricultural Sciences, China

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1 Scope

This standard specifies the operation of porcine circovirus type 2 fluorescent PCR test.

This standard applies to porcine circovirus type 2 nucleic acid testing.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 6682 analytical laboratory water specifications and test methods

GB/T 25172 pig sperm production and preservation of technical specifications

3 Abbreviations

The following abbreviations apply to this document.

Fluorescent PCR. Fluorescent polymerase chain reaction (real-time polymerase chain reaction)

Ct value. the number of cycles in each reaction tube fluorescent signal reaches the set threshold value (cyclethreshold)

DNA. deoxyribonucleic acid

Taq enzyme. Taq DNA polymerase (Taq DNA polymerase)

TE buffer. Tris-EDTA buffer (Tris-EDTA buffer)

PCV. porcine circovirus

4.1 Fluorescent PCR detector.

4.2 high-speed desktop refrigerated centrifuge. temperature can be controlled to 4 degrees C, centrifuge speed up to 12000r/min above.

4.6 Micropipettor. 0.2 μ L ~ 2 μ L, 1 μ L ~ 10 μ L, 10 μ L ~ 100 μ L, 20 μ L ~.200 μ L, 100 μ L ~ 1000 μ L and

Equipped with tips that match the pipette.

5 supplies

5.1 1.5mL centrifuge tube.

5.2 0.2mLPCR thin-walled tube or octagonal tube.