

ICS 65.020.30

CCS B41



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

GB/T 15805.4-2018

Replacing GB/T 15805.4-2008

Code of diagnosis for channel catfish virus diseases

斑点叉尾鮰病毒病诊断规程

Issued on: July 13, 2018

Implemented on: February 1, 2019

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 3 Abbreviations

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 15805.4-2008 "Fish quarantine method Part 4. Channel catfish virus (CCV)". This standard Compared with GB/T 15805.4-2008, except for editorial changes, the main technical changes are as follows:

- Increased clinical symptoms of channel catfish virus disease;
- Added a method for detecting channel catfish virus antigen by enzyme-linked immunosorbent assay;
- Changed to phenol chloroform method for extracting viral nucleic acid;
- PCR detection increased internal control DNA, length 186bp;
- Added informative Appendix C "Channel Catfish Virus Disease (CCVD)". Please note that some of the contents of this document may involve patents. The issuing organization of this document is not responsible for identifying these patents. This standard was proposed by the Ministry of Agriculture and Rural Affairs of the People's Republic This standard is under the jurisdiction of the National Aquaculture Standardization Technical Committee (SAC/TC156). This standard was drafted. National Aquatic Technology Extension Station, China Academy of Inspection and Quarantine, Beijing Entry-Exit Inspection and Quarantine Bureau. The main drafters of this standard. Lu Yonghui, Zhang Wei, Wang Na, Gu Qiang, Yu Weizhong, Jing Hongli, Zhang Lifeng, Xu Wei, Zhou Yi. The previous versions of the standards replaced by this standard are.
- GB/T 15805.1-1995;
- GB/T 15805.4-2008. Diagnostic protocol for channel catfish virus

1 Scope

GB/T 15805.4-2018 is the Chinese national standard on code of diagnosis for channel catfish virus diseases, in the field of agriculture. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers

meet it. It was issued on 13 July 2018 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 February 2019. Classification: ICS 65.020.30, CCS B41. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the clinical symptoms, histopathological features, virus isolation, neutralization test, enzyme-linked immunosorbent assay for channel catfish virus Test and polymerase chain reaction detection methods. This standard applies to epidemiological investigation, diagnosis, quarantine and monitoring of channel catfish virus.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply 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 18088 entry and exit animal quarantine sampling SC/T 7016.8 Fish Cell Lines Part 8. Channel catfish ovary cell line (CCO) SC/T 7103 Technical specification for quarantine sampling of aquatic animals

3 Abbreviations

The following abbreviations apply to this document. Bp. basepair CCO. channel catfish ovary cells (channelcatfishovarycelline) CCV. Channel catfish virus (channelcatfishvirus) CCVD. channel catfish virus disease (channelcatfishvirusdisease) CPE. cytopathic effect dATP. deoxyadenosine triphosphate (deoxyadenosinetriphosphate) dCTP. deoxycytidine triphosphate (deoxycytidinetriphosphate) dGTP. deoxyguanosine triphosphate (deoxyguanosinetriphosphate) DNA. deoxyribonucleic acid dNTP. deoxy-ribonucleoside triphosphate dTTP. deoxythymidine triphosphate (deoxythymidinetriphosphate) EB. ethidium bromide (ethidiumbromide) EDTA. ethylenediaminetetraacetic acid ELISA. enzyme-linked immunosorbent assay (enzyme-linked immunosorbent assay) FBS. fetal bovine serum (fetalbovineserum) IgG. immunoglobulin G (immunoglobulinG) OD. optical density (optical density) OPD. o-phenylenediamine PBST. phosphate buffer solution (phosphatebuffersolution-tween-20) PCR. polymerase chain reaction (polymerase chain reaction)