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CCS B52



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

**GB/T 19163-2010**

Replacing GB 19163-2003

**Bull frog**

牛蛙

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### Foreword

This standard replaces GB 19163-2003 "the bullfrog." This standard compared with GB 19163-2003 main changes are as follows:

- Standard nature instead recommended;
- Increased bullfrog age determination method;
- Increasing the reference standard GB/T 18654.1, GB/T 18654.2, GB/T 18654.12, GB/T 25884;
- Remove the original criteria in Appendix A. Appendix A of this standard is a normative appendix. The standard proposed by the People's Republic of China Ministry of Agriculture. This standard by the National Standardization Technical Committee on Fisheries freshwater aquaculture subcommittee. This standard was drafted. Hunan Agricultural University, Hunan Biological and Electromechanical College. The main drafters of this standard. Wang Xiaoqing, Wang Yu, Xiao Keyu, He Xiangrong, Zhan Wei. This standard replaces the standards previously issued as follows:
  - GB 19163-2003. Bullfrog

### 1 Scope

GB/T 19163-2010 is the Chinese national standard on bull frog, 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 10 January 2011 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 June 2011. Classification: ICS 65.150, CCS B52. 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 establishes the bullfrog (*RanacatesbeianaShaw*) name and classification, the main morphological structure characteristics, growth and reproduction, genetic School characteristics, test methods and results to determine. This standard applies to the detection and identification of germplasm bullfrogs.

## 2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 18654.1 Inspection of germplasm for cultured fishes - Part 1. Inspection Rules

GB/T 18654.2 Inspection of germplasm for cultured fishes - Part 2. Sampling Method

GB/T 18654.12 Inspection of germplasm for cultured fishes - Part 12. karyotyping

GB/T 25884 Determination of morphological characters frogs

## 3 Terms and Definitions

Terms and definitions GB/T 25884 apply to this standard established.

## 4 Names and classification

4.1 Name Bullfrog (*RanacatesbeianaShaw*).

4.2 taxonomic status Anura (Anura), frog family (Ranidae), Rana (Rana).

### 5.1 External morphology

5.1.1 Outline Body chunky, wide and flat head, slightly triangular, a circular tympanic membrane located behind the eyes, the color of the tympanic membrane with a basic color on the back of the head Cause, along the eye to the top of the tympanic membrane, significant skin fold. Skin smooth, slightly rough back, there is a very fine skin edges. 4 means the forelimb, no Webbed refers order to II, I, IV, III, refers to the inside of the first males have developed nuptial pad, a significant increase in the reproductive season, female frogs no marriage pad; hind particular hair Up to five toes, all webbed, webbed toe is not completely up, toe sequence for the I, II, V, III, IV. Body color with habitat, age, sex, nutritional status varies. Usually head for the green, as green-brown back, brown or dark

brown, Shades of irregular patches or stripes, the abdomen is gray, with dark gray stripes. Mature males jaw is golden yellow, the female frogs and Abdomen consistent color. Bullfrog external morphology shown in Figure 1.

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