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

GB 21044-2007

Replacing GB/T 21044-2007

Chinese soft-shelled turtle

中华鳖

(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 21044-2007 "Chinese soft-shelled turtle". Compared with GB/T 21044-2007, except for structural adjustments and editorial changes, in addition, the main technical changes are as follows.

- a) The description of external morphological features has been changed (see 5.1.1~5.1.5, 5.1.1~5.1.5 of the 2007 edition);
- b) Added the schematic diagram of the appearance measurement of Chinese soft-shell turtle (see 5.2.1);
- c) The scalability characteristics have been changed (see 5.2, 5.2 of the 2007 edition);
- d) Added the carapace and plastron plates of Chinese soft-shell turtle (see 5.3.2);
- e) replace "reproductive characteristics" with "growth and reproduction" (see Chapter 6, Chapter 6 of the 2007 edition);
- f) Changed the karyotype diagram, karyotype formula and arm number of Chinese soft-shell turtle (see 7.1, 7.1 of the 2007 edition);
- g) The measured graph and scan graph of lactate dehydrogenase (LDH) isozymes in the muscles of Chinese soft-shell turtle were modified (see 7.2, 7.2 of the 2007 edition);
- h) Added molecular genetic characteristics (see 7.3);
- i) Added the method for determining the age of Chinese soft-shell turtle (see 8.3.2);
- j) Changed the pretreatment method for chromosome preparation (see 8.4.1, 8.2.1 of the 2007 edition);
- k) The electrophoretic separation method of isozymes has been changed (see 8.5.6, 8.3.2 of the 2007 edition);

- l) Added molecular genetic characterization methods (see 8.6);
- m) Changed the inspection rules and result determination rules to determination rules (see Chapter 9, Chapter 9 of the 2007 edition);
- n) Added the preparation methods of various isoenzyme reagents (see Appendix A).

1 Scope

The main morphological and structural characteristics, growth and reproduction, cytogenetic characteristics, biochemical genetic characteristics and molecular genetics of Chinese soft-shell turtle germplasm were determined.

The paper describes the chemical characteristics of the product, describes the corresponding detection methods, and stipulates the judgment rules.

This document applies to the germplasm detection and identification of Chinese soft-shelled turtle.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 18654.2 Inspection of cultured fish germplasm Part 2: Sampling methods GB/T 18654.3 Germplasm inspection of farmed fish Part 3: Determination of traits GB/T 18654.12 Germplasm testing of farmed fish Part 12: Chromosome karyotype analysis GB/T 18654.13 Germplasm inspection of farmed fish Part 13: Isozyme electrophoresis analysis GB/T 22213 Aquaculture Terminology SC/T 1108 Determination of characteristics of soft-shelled turtles

3 Terms and definitions

The terms and definitions defined in GB/T 18654.3, GB/T 22213, SC/T 1108 and the following apply to this document.

Back length carapace length the maximum straight-line distance from the front edge of the back center line to the rear edge of the back skirt.

Back width carapacewidth the maximum straight-line distance between the left and right outer edges of the back.

[Source. SC/T 1108-2011, 3.2, modified] 3.3 Body height the maximum dorsal-ventral

distance.

[Source. SC/T 1108-2011, 3.3] 3.4 Rear skirt widthreapronwidth the maximum straight-line distance from the posterior edge of the carapace to the edge of the posterior skirt.

[Source. SC/T 1108-2011, 3.4, modified]