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

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**Chemicals - Fish cell line acute toxicity - The RTgill-W1 cell line
assay**

化学品 鱼类细胞系急性毒性 虹鳟鳃细胞系 (RTgill-W1) 试验

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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.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

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Chemicals Fish Cell Line Acute Toxicity Rainbow Trout Gill Cell line (RTgil-W1) assay

1 Scope

This document describes the test method for the acute toxicity of chemicals to fish cell lines using the rainbow trout gill cell line (RTgil-W1).

This document is applicable to the testing and evaluation of the acute toxicity of chemicals to fish cell lines.

2 Normative references

GB/T 21852

GB/T 21853

GB/T 22052

GB/T 22228

GB/T 22229

GB/T 27860

GB/T 42426

3.1 Terms and Definitions

The following terms and definitions apply to this document.

3.1.1 Cell viability

The percentage of cells that are in a healthy state (i.e., metabolically active, with intact cell membranes and organelles).

3.1.2 effect concentration;EC_x

The concentration of test substance that causes a change of x% in cell viability compared to the negative control or solvent control during a given test period.

3.1.3

Leibovitz L-15 medium is supplemented with 5% fetal bovine serum and optional antibiotics.

Note. Commonly used antibiotics include 0.5% gentamicin.

3.1.4 L-15/ex medium

Protein-free medium containing the same salts, galactose, and pyruvate as Leibovitz L-15 medium.

Note. Used for cell exposure experiments.

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