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

GB 31610.6-2023

**National food safety standards - Inspection of Sparganoma
mansoni tapeworm in animal aquatic products and their
products**

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1 Scope

This standard specifies the morphology and morphology of *Spirometramansoni* larvae in animal aquatic products and their products.

PCR test method.

This standard is applicable to the inspection of *Sparganoma mansoni* tapeworm in animal aquatic products and their products.

2 Principles

Sparganoid larvae of the tapeworm *Mansoni* in animal aquatic products and their products mainly live in the muscles of frogs and other aquatic products. Obtained from anatomical separation Based on the morphological structure of the sparganoides, the species of the sparganoides can be preliminarily determined; by amplifying the cells of the mitochondrial DNA of the sparganoid tapeworm *Mansoni* The cytochrome oxidase (coxI) gene fragment was sequenced to identify the sparganoid larvae of the tapeworm *S. mansoni*.

4.1 Reagents

4.1.1 1mol/L Tris-HCl solution (pH8.0).

4.1.2 0.5mol/L EDTA solution (pH8.0).

4.1.3 10% SDS solution.

4.1.4 5mol/LNaCl solution.

4.1.5 20mg/mL proteinase K.

4.1.7 Chloroform.

4.1.8 5U/uL thermostable DNA polymerase.

4.1.9 10xPCR buffer.

4.1.10 25mmol/LMgCl₂.

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