

Preface

This standard replaces GB/T 4789.4-2008 “Microbiological examination of food hygiene—*Salmonella*”. Compared to GB/T 4789.4-2008, major changes of this standard are as follows:

- The Chinese and English name of this standard has been revised;
- The scope of this standard has been revised;
- “Culture mediums and reagents” has been revised;
- “Apparatus and materials” has been revised;
- Annex A has been revised.

Annex A and B of this standard are both normative annexes.

This standard replaces all previous standard, those issued editions are:

- GB 4789.4-84, GB 4789.4-1994, GB/T 4789.4-2003, GB/T 4789.4-2008.

National food safety standard
Food microbiological examination: Salmonella

1. Scope

This standard specifies the method for the examination of *Salmonella* in foods. This standard applies to the examination of *Salmonella* in foods.

2. Apparatus and materials

In addition to the conventional apparatus for sterilization and incubation in microbiological laboratory, other apparatus and materials are as follows:

2.1 Refrigerator: 2 °C~5 °C.

2.2 Constant temperature incubator: 36 °C±1 °C, 42 °C±1 °C.

2.3 Homogenizer.

2.4 Shaker.

2.5 Electronic balance: with sensitivity of 0.1 g.

2.6 Sterile conical flask: with nominal capacities of 500 mL and 250 mL.

2.7 Sterile pipette: with nominal capacities of 1 mL (graduated in 0.01 mL division) and 10 mL (graduated in 0.1 mL division), or micropipette and pipette tips.

2.8 Sterile culture dish: with diameter of 90 mm.

2.9 Sterile test tube: 3mm×50mm, 10mm×75mm.

2.10 Sterile capillary.

2.11 pH meter or pH colorimetric tube or precision pH test paper.

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