

# GB

**NATIONAL STANDARD**  
**OF THE PEOPLE'S REPUBLIC OF CHINA**  
**中华人民共和国国家标准**

**GB 4789.40-2010**

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**National food safety standard Food**  
**Microbiological Examination: Enterobacter**  
**Sakazakii**  
**食品安全国家标准**  
**食品微生物学检验 阪崎肠杆菌检验**

**Issued on March 26, 2010**

**Implemented on June 1, 2010**

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**Issued by the Ministry of Health of the People's Republic of China**

## Foreword

This standard shall replace GB/T 4789.40-2008 "National Food Safety Standard Food Microbiological Examination: Enterobacter Sakazakii".

Compared with GB/T 4789.40-2008, the main revisions in this standard are as follows:

——The Chinese and English names of the standard were revised;

——A.3 in Appendix A was deleted.

Appendix A and Appendix B of this standard are normative.

This standard replaces the following editions in turn:

——GB/T 4789.40-2008.

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GB 4789.40-2010

National food safety standard Food Microbiological

Examination: Enterobacter Sakazakii

食品安全国家标准  
食品微生物学检验 阪崎肠杆菌检验

## 1 Scope

This standard specifies examination method of enterobacter sakazakii in the food.

This standard is applicable to examination of enterobacter sakazakii in baby formula foods, milk and dairy products and the materials.

## 2 Equipment and Materials

In addition to the conventional sterilization and cultivation equipments of microbiological laboratory, other equipments and materials needed for the examination are as follows:

- 2.1 Constant temperature incubator: 25  $\pm$ 1 , 36  $\pm$ 1 , 44  $\pm$ 0.5 .
- 2.2 Refrigeratory: 2 ~5 .
- 2.3 Constant temperature water bath: 44  $\pm$ 0.5 .
- 2.4 Scale: sensibility 0.1g.
- 2.5 Homogenizer.
- 2.6 Oscillator.
- 2.7 Aseptic sucker: 1mL (with 0.01mL), 10mL (with 0.1mL) or micropipettor and sucker head.
- 2.8 Aseptic conical flask: capacity 100mL, 200mL and 2000mL.
- 2.9 Aseptic culture dish: diameter 90mm.
- 2.10 PH meter or pH colorimetric tube or precise pH paper.
- 2.11 Full automatic biochemical verification system of microbe.

## 3 Culture Mediums and Reagents



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