



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

GB 4789.5-2012

National Food Safety Standard
Microbiological Examination of Food
Hygiene - Examination of Shigella
食品安全国家标准
食品微生物学检验 志贺氏菌检验

Issued on: May 17, 2012

Implemented on: July 17, 2012

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

Foreword

This standard replaces "Microbiological Examination of Food Hygiene - Examination of Shigella" (GB/T 4789.5-2003).

There have been some significant changes in this standard over GB/T 4789.5-2003 as follows:

- The original standard name was modified;
- Culture mediums and reagents were modified;
- Enrichment part in the operation procedures, biochemical test and additional biochemical test part were modified;
- The Table 2 was modified;
- The Table 4 was modified.

Contents

1	Scope	1
2	Apparatus and Materials	1
3	Culture Medium and Reagents	1
4	Examination Procedures	2
5	Operation Procedures	3
Appendix A	Culture Medium and Reagents	8

National Food Safety Standard

Microbiological Examination of Food Hygiene - Examination of

Shigella

食品安全国家标准

食品微生物学检验 志贺氏菌检验

1 Scope

This standard specifies the methods to examine the Shigella in foods.

This standard is applicable to the examination of Shigella in foods.

2 Apparatus and Materials

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

- a) Thermostatic incubator: $36^{\circ}\text{C}\pm 1^{\circ}\text{C}$;
- b) Refrigerator: $2^{\circ}\text{C}\sim 5^{\circ}\text{C}$;
- c) Membrane filter system;
- d) Anaerobic cultivation device: $41.5^{\circ}\text{C}\pm 1^{\circ}\text{C}$;
- e) Electronic balance: sensibility of 0.1g;
- f) Microscope: $10\times\sim 100\times$;
- g) Homogenizer;
- h) Oscillator;
- i) Sterile pipette: 1mL (with 0.01mL scale), 10mL (with 0.1mL scale) or micropipettor and sucker head;
- j) Aseptic homogenizing cup or aseptic homogenizing bag: 500mL;
- k) Sterile Petri dish: diameter of 90 mm.
- l) PH meter or pH colorimetric tube or precise pH paper;
- m) Full automatic biochemical identification system of microorganisms.

3 Culture Medium and Reagents

3.1 Enriched Shigella broth - novobiocin: see A.1 in Appendix A.

3.2 MAC agar: see A.2 in Appendix A.

3.3 XLD agar: see A.3 in Appendix A.

完整版本请在线下单

或咨询：

TEL： 400-678-1309

QQ： 19315219

Email：info@lancarver.com

<http://www.lancarver.com>

对公账户：

单位名称：北京文心雕语翻译有限公司

开户行：中国工商银行北京清河镇支行

账 号：0200 1486 0900 0006 131

支付宝账户：info@lancarver.com

注：付款成功后，请预留电邮，完整版本将在一个工作日内通过电子 PDF 或 Word 形式发送至您的预留邮箱，如需索取发票，下单成功后的三个工作日内安排开具并寄出，预祝合作愉快！