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**IDF  
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## **Milk and milk products — Detection of *Salmonella* spp.**

*Lait et produits laitiers — Recherche de Salmonella spp.*



Reference numbers  
ISO 6785:2001(E)  
IDF 93:2001(E)

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## Foreword

**ISO (the International Organization for Standardization)** is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 6785|IDF 93 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products*, and the International Dairy Federation (IDF), in collaboration with AOAC International. It is being published jointly by ISO and IDF and separately by AOAC International.

This second edition cancels and replaces the first edition (ISO 6785:1985), which has been technically revised.

Annexes A and B form a normative part of this International Standard. Annex C is for information only.

## Foreword

**IDF (the International Dairy Federation)** is a worldwide federation of the dairy sector with a National Committee in every member country. Every National Committee has the right to be represented on the IDF Standing Committees carrying out the technical work. IDF collaborates with ISO and AOAC International in the development of standard methods of analysis and sampling for milk and milk products.

Draft International Standards adopted by the Action Teams and Standing Committees are circulated to the National Committees for voting. Publication as an International Standard requires approval by at least 50 % of National Committees casting a vote.

International Standard ISO 6785|IDF 93 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products*, and the International Dairy Federation (IDF), in collaboration with AOAC International. It is being published jointly by ISO and IDF and separately by AOAC International.

All work was carried out by the Joint ISO/IDF/AOAC Action Team on *Harmonization*, of the Standing Committee on *Microbial methods of analysis*, under the aegis of its project leader, Mr. H. Becker (DE).

This fourth edition cancels and replaces the third edition (IDF 93:1995).

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# Milk and milk products — Detection of *Salmonella* spp.

## 1 Scope

This International Standard specifies a method for the detection of *Salmonella* spp. in milk and milk products.

## 2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 8261 | IDF 122, *Milk and milk products — General guidance for the preparation of test samples, initial suspensions and decimal dilutions for microbiological examination.*

## 3 Terms and definitions

For the purposes of this International Standard, the following terms and definitions apply.

### 3.1

#### ***Salmonella***

microorganisms which form typical colonies on solid selective media and which display the biochemical and serological characteristics described when tests are carried out in accordance with this International Standard

### 3.2

#### **detection of *Salmonella***

detection of the presence or absence of these microorganisms, in a particular mass or volume, when tests are carried out in accordance with this International Standard

## 4 Principle

### 4.1 General

The detection of *Salmonella* necessitates four successive stages (see annex A).

### 4.2 Pre-enrichment in non-selective liquid medium

Inoculation of the pre-enrichment medium with the test portion, and incubation at 37 °C for 16 h to 20 h.

### 4.3 Enrichment in selective liquid media

Inoculation of Rappaport-Vassiliadis modified magnesium chloride/malachite green medium and of selenite/cystine medium with the culture obtained in 4.2.