

Milk and milk products — Enumeration of presumptive *Escherichia coli* —

Part 1: Most probable number
technique using 4-methylumbelliferyl-
 β -D-glucuronide (MUG)

ICS 07.100.30; 67.100.01

National foreword

This British Standard reproduces verbatim ISO 11866-1:2005 and implements it as the UK national standard. It supersedes BS ISO 11866-2:1997 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AW/5, Milk and milk products, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international publications referred to in this document may be found in the *BSI Catalogue* under the section entitled “International Standards Correspondence Index”, or by using the “Search” facility of the *BSI Electronic Catalogue* or of British Standards Online.

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Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to iv, pages 1 to 11 and a back cover.

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 24 January 2006

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ISBN 0 580 47494 1

Amendments issued since publication

Amd. No.	Date	Comments

INTERNATIONAL
STANDARD

ISO
11866-1

IDF
170-1

Second edition
2005-12-01

**Milk and milk products — Enumeration
of presumptive *Escherichia coli* —**

Part 1:

**Most probable number technique using
4-methylumbelliferyl- β -D-glucuronide
(MUG)**

*Lait et produits laitiers — Dénombrement d'Escherichia coli
présumés —*

*Partie 1: Technique du nombre le plus probable avec utilisation de
4-méthylumbelliféryl- β -D-glucuronide (MUG)*



Reference numbers
ISO 11866-1:2005(E)
IDF 170-1:2005(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 2.

The main task of technical committees is to prepare International Standards. 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 the member bodies casting a vote.

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

ISO 11866-1|IDF 170-1 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products*, in collaboration with the International Dairy Federation (IDF). It is being published jointly by ISO and IDF.

This edition of ISO 11866-1|IDF 170-1 cancels and replaces ISO 11866-2:1997, of which it constitutes a minor revision.

ISO 11866-1:1997 has been cancelled and replaced by ISO 7251:2005, *Microbiology of food and animal feeding stuffs — Horizontal method for the detection and enumeration of presumptive Escherichia coli — Most probable number technique*.

ISO 11866|IDF 170 consists of the following parts, under the general title *Milk and milk products — Enumeration of presumptive Escherichia coli*:

- *Part 1: Most probable number technique using 4-methylumbelliferyl- β -D-glucuronide (MUG)*
- *Part 2: Colony-count technique at 44 °C using membranes*

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 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 the IDF National Committees casting a vote.

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

ISO 11866-1|IDF 170-1 was prepared by the International Dairy Federation (IDF) and Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products*. It is being published jointly by IDF and ISO.

All work was carried out by the Joint ISO/IDF/AOAC Group of Experts on *Pathogenic contaminants* (E102), under the aegis of its chairman, Mrs R. Lodi (IT).

This edition of ISO 11866-1|IDF 170-1 cancels and replaces the former part 2 of IDF 170A:1999, while the former part 1 has been replaced by ISO 7251:2005.