## TECHNICAL SPECIFICATION

ISO/TS 11059 IDF/RM 225

First edition 2009-08-01

# Milk and milk products — Method for the enumeration of *Pseudomonas* spp.

*Lait et produits laitiers — Méthode de dénombrement des* Pseudomonas *spp.* 



Reference numbers ISO/TS 11059:2009(E) IDF/RM 225:2009(E)

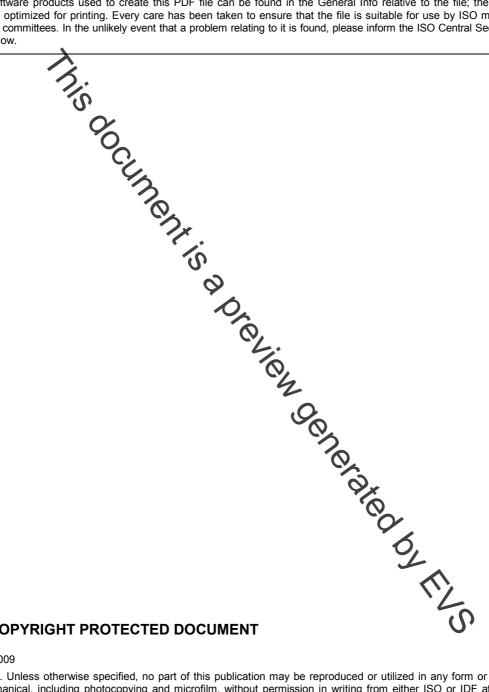
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Published in Switzerland

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An ISO/PAS or ISO/TS is reviewed after three years in order to decide whether it will be confirmed for a further three years, revised to become an International Standard, or withdrawn. If the ISO/PAS or ISO/TS is confirmed, it is reviewed again after a further three years at which time it must either be transformed into an International Standard or be withdrawn.

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ISO/TS 11059 IDF/RM 225 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products*, and the International Dairy Federation (IDF). It is being published jointly by ISO and IDF.



## Foreword

**IDF (the International Dairy Federation)** is a non-profit organization representing the dairy sector worldwide. IDF membership comprises National Committees in every member country as well as regional dairy associations having signed a formal agreement on cooperation with IDF. All members of IDF have 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.

The main task of technical committees is to prepare International Standards. 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.

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All work was carried out by the Joint ISO-IDF Action Team on *Microbiological harmonization* of the Standing Committee on *Microbiological methods of analysis* under the aegies its project leader, Mrs P. Rollier (FR).

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## Milk and milk products — Method for the enumeration of *Pseudomonas* spp.

## 1 Scope

This Technical Specification describes a method for the enumeration of *Pseudomonas* spp. in milk and milk products. The method are the isolation of all pigmented and non-pigmented psychrophilic *Pseudomonas* spp.

This Technical Specification salso applicable to dairy environmental samples.

### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6887-5, Microbiology of food and animal teeding stuffs — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination — Part 5: Specific rules for the preparation of milk and milk products

ISO 7218, Microbiology of food and animal feeding stuffs — General requirements and guidance for microbiological examinations

ISO/TS 11133-1, Microbiology of food and animal feeding offs — Guidelines on preparation and production of culture media — Part 1: General guidelines on quality assurance for the preparation of culture media in the laboratory

ISO/TS 11133-2, Microbiology of food and animal feeding stuffs — Gaidelines on preparation and production of culture media — Part 2: Practical guidelines on performance testing of culture media

### 3 Terms and definitions

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

### 3.1

### Pseudomonas spp.

species of bacteria of the genus *Pseudomonas* which form colonies in penicillin and pimaricin agar (PPA) at 25 °C displaying the biochemical characteristics described, when tested as described in this Technical Specification

### 4 Principle

The surface of a solid selective culture medium is inoculated with a specified quantity of the test sample if the product is liquid, or with a specified quantity of the initial suspension in the case of other products. The inoculation is done, under the same conditions, using decimal dilutions of the test sample or of the initial suspension.