
**Microbiology of food and animal feeding
stuffs — Horizontal method for the
enumeration of psychrotrophic
microorganisms**

*Microbiologie des aliments — Méthode horizontale pour le dénombrement
des micro-organismes psychrotrophes*



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Foreword

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Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of psychrotrophic microorganisms

1 Scope

This International Standard specifies a method for the enumeration of psychrotrophic microorganisms by means of the colony-count technique at 6.5 °C. The method is applicable to products intended for human consumption or for animal feeding stuffs.

2 Normative references

The following normative documents contain 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 editions of the normative documents 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 6887-1, *Microbiology of food and animal feeding stuffs — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination — Part 1: General rules for the preparation of the initial suspension and decimal dilutions.*¹⁾

ISO 7218, *Microbiology of food and animal feeding stuffs — General rules for microbiological examinations.*

ISO 8261, *Milk and milk products — Preparation of samples and dilutions for microbiological examination.*

3 Term and definition

For the purposes of this International Standard, the following term and definition applies.

3.1

psychrotrophic microorganism

bacteria, yeasts and moulds forming countable colonies under the conditions specified in this International Standard

4 Principle

4.1 Two agar plates are prepared using a solid non-selective culture medium, and using a specified quantity of the test sample if the initial product is liquid, or using a specified quantity of an initial suspension in the case of other products. In order to prevent heat stress, surface inoculation is used.

Other pairs of agar plates are prepared, under the same conditions, using decimal dilutions of the test sample or the initial suspension.

1) Parts 2 to 5 are in preparation, see bibliography.