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English Version

**Microbiology of food and animal feeding stuffs - Horizontal  
method for detection and enumeration of Campylobacter spp. -  
Part 3: Semi-quantitative method (ISO/TS 10272-3:2010)**

Microbiologie des aliments - Méthode horizontale pour la  
recherche et le dénombrement de Campylobacter spp. -  
Partie 3: Méthode semi-quantitative (ISO/TS 10272-3:2010)

Mikrobiologie von Lebensmitteln und Futtermitteln -  
Horizontales Verfahren zum Nachweis und zur Zählung von  
Campylobacter spp. - Teil 3: Semiquantitatives Verfahren  
(ISO/TS 10272-3:2010)

This Technical Specification (CEN/TS) was approved by CEN on 28 December 2009 for provisional application.

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COMITÉ EUROPÉEN DE NORMALISATION  
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## Foreword

This document (CEN ISO/TS 10272-3:2010) has been prepared by Technical Committee ISO/TC 34 "Food products" in collaboration with Technical Committee CEN/TC 275 "Food analysis - Horizontal methods" the secretariat of which is held by DIN.

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

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### Endorsement notice

The text of ISO/TS 10272-3:2010 has been approved by CEN as a CEN ISO/TS 10272-3:2010 without any modification.

# Contents

Page

Foreword .....	iv
Introduction .....	v
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	1
4 Principle .....	2
5 Culture media and reagents .....	2
6 Apparatus .....	3
7 Sampling .....	3
8 Preparation of test sample .....	4
9 Procedure .....	4
9.1 General .....	4
9.2 Test portion, initial suspension and dilutions .....	4
9.3 Enrichment .....	4
9.4 Isolation .....	4
9.5 Confirmation of <i>Campylobacter</i> spp. ....	5
9.6 Identification of <i>Campylobacter</i> spp. (optional) .....	6
10 Calculation and expression of results .....	8
10.1 Method of calculation .....	8
10.2 Precision .....	8
11 Test report .....	9
Annex A (normative) Diagram of procedure .....	10
Annex B (normative) Composition and preparation of culture media and reagents .....	11
Bibliography .....	17

## 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.

In other circumstances, particularly when there is an urgent market requirement for such documents, a technical committee may decide to publish other types of document:

- an ISO Publicly Available Specification (ISO/PAS) represents an agreement between technical experts in an ISO working group and is accepted for publication if it is approved by more than 50 % of the members of the parent committee casting a vote;
- an ISO Technical Specification (ISO/TS) represents an agreement between the members of a technical committee and is accepted for publication if it is approved by 2/3 of the members of the committee casting a vote.

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.

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/TS 10272-3 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 9, *Microbiology*.

ISO 10272 consists of the following parts, under the general title *Microbiology of food and animal feeding stuffs — Horizontal method for detection and enumeration of Campylobacter spp.*:

- *Part 1: Detection method*
- *Part 2: Colony count technique* [Technical Specification]
- *Part 3: Semi-quantitative method* [Technical Specification]

## Introduction

Because of the large variety of food and feed products, ISO 10272 may not be appropriate in every detail for certain products, and for some other products it may be necessary to use different methods.

Nevertheless, in all cases, every attempt should be made to apply ISO 10272 as far as possible, any deviations being made only if absolutely necessary for technical reasons.

When ISO 10272 is next reviewed, account will be taken of all information then available regarding the extent to which the methods have been followed and the reasons for deviations from it in the case of particular products. The harmonization of test methods cannot be immediate and, for certain groups of products, International Standards and/or national standards may already exist that do not comply with ISO 10272. It is hoped that, when such standards are reviewed, they will be changed to comply with ISO 10272, so that eventually the only remaining departures are those necessary for well-established technical reasons.

# Microbiology of food and animal feeding stuffs — Horizontal method for detection and enumeration of *Campylobacter* spp. —

## Part 3: Semi-quantitative method

### 1 Scope

This part of ISO 10272 describes a horizontal method for the semi-quantitative determination of *Campylobacter* spp.

It is applicable to products intended for human consumption or for the feeding of animals, and to environmental samples in the area of food production and food handling. However, it is possible that this part of ISO 10272 is not appropriate in every detail for certain products, deviations from it being made necessary for technical reasons. It is possible that this part of ISO 10272 is not applicable at all to some other products.

### 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 (all parts), *Microbiology of food and animal feeding stuffs — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination*

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 stuffs — 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 11133-2:2003, *Microbiology of food and animal feeding stuffs — Guidelines 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

##### ***Campylobacter***

(food and feed *Campylobacter* microbiology) genus of microorganisms forming characteristic colonies on solid selective media when incubated microaerobically at 41,5 °C, but not at 25 °C, and which possess the characteristic motility and biochemical and growth properties described when the tests are conducted in accordance with this part of ISO 10272