

**Toidu ja loomasööda mikrobioloogia.
Horisontaalmeetod *Listeria monocytogenes*'e
tuvastamiseks ja loendamiseks. Osa 1:
Tuvastamismeetod**

**Microbiology of food and animal feeding stuffs -
Horizontal method for the detection and enumeration of
Listeria monocytogenes - Part 1: Detection method**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 11290-1:2000 sisaldab Euroopa standardi EN ISO 11290-1:1996 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 11290-1:2000 consists of the English text of the European standard EN ISO 11290-1:1996.
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EUROPEAN STANDARD

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English version

**Microbiology of food and animal feeding stuffs -
Horizontal method for the detection and
enumeration of *Listeria monocytogenes* - Part 1:
Detection method (ISO 11290-1:1996)**

Microbiologie des aliments - Méthode
horizontale pour la recherche et le
dénombrement de *Listeria monocytogenes* - Partie
1: Méthode de recherche (ISO 11290-1:1996)

Mikrobiologie von Lebensmitteln und
Futtermitteln - Horizontales Verfahren für den
Nachweis und die Zählung von *Listeria*
monocytogenes - Teil 1: Nachweisverfahren
(ISO 11290-1:1996)

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

The text of the International Standard ISO 11290-1:1996 has been prepared by Technical Committee ISO/TC 34 "Agricultural food products" in collaboration with Technical Committee CEN/TC 275 "Food analysis - Horizontal methods", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 1997, and conflicting national standards shall be withdrawn at the latest by June 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 11290-1:1996 was approved by CEN as a European Standard without any modification.

**Microbiology of food and animal feeding
stuffs — Horizontal method for the
detection and enumeration of *Listeria
monocytogenes* —**

**Part 1:
Detection method**

*Microbiologie des aliments — Méthode horizontale pour la recherche et le
dénombrement de Listeria monocytogenes —*

Partie 1: Méthode de recherche



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International Organization for Standardization

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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 liason with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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.

International Standard ISO 11290-1 was prepared by Technical Committee ISO/TC 34, *Agricultural food products*, Subcommittee SC 9, *Microbiology*.

ISO 11290 consists of the following parts, under the general title *Microbiology of food and animal feeding stuffs — Horizontal method for the detection and enumeration of Listeria monocytogenes*:

- *Part 1: Detection method*
- *Part 2: Enumeration method*

Annexes A and B form an integral part of this part of ISO 11290. Annex C is for information only.

Introduction

Because of the large variety of food and feed products, this horizontal method may not be appropriate in every detail for certain products for which it may be necessary to use different or specific methods. Nevertheless, in all cases, every attempt should be made to apply this horizontal method as far as possible and that deviations from this will only be made if absolutely necessary for justified technical reasons.

When this part of ISO 11290 is next reviewed, account will be taken of all information then available regarding the extent to which this horizontal method has 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 this horizontal method. It is hoped that when such standards are reviewed they will be changed to comply with this part of ISO 11290 so that eventually the only remaining departures from this horizontal method will be those necessary for well-established technical reasons.

Microbiology of food and animal feeding stuffs — Horizontal method for the detection and enumeration of *Listeria monocytogenes* —

Part 1: Detection method

WARNING — In order to safeguard the health of laboratory personnel, it is strongly recommended that tests for detecting *Listeria monocytogenes* are undertaken in properly equipped laboratories, under the control of a skilled microbiologist, and that great care is taken in the disposal of all incubated materials. In particular, it is strongly recommended that pregnant personnel do not manipulate cultures of *L. monocytogenes*.

1 Scope

This part of ISO 11290 specifies a horizontal method for the detection of *Listeria monocytogenes*.

Subject to the limitations discussed in the introduction, this part of ISO 11290 is applicable to products intended for human consumption or animal feeding.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 11290. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 11290 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 6887:1983, *Microbiology — General guidance for the preparation of dilutions for microbiological examination*.

ISO 7218:1996, *Microbiology of food and animal feeding stuffs — General rules for microbiological examinations*.

3 Definitions

For the purposes of this part of ISO 11290, the following definitions apply.

3.1 *Listeria monocytogenes*: Microorganisms which form typical colonies on solid selective media and which display the morphological, physiological and biochemical characteristics described when tests are carried out in accordance with this part of ISO 11290.

3.2 detection of *Listeria monocytogenes*: Determination of the presence or absence of these microorganisms, in a given mass or volume of product, when tests are carried out in accordance with this part of ISO 11290.