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Microbiology of the food chain - Technical requirements and guidance on the establishment or revision of a standardized reference method (ISO 17468:2023)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/24

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EUROPÄISCHE NORM

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English Version

Microbiology of the food chain - Technical requirements and guidance on the establishment or revision of a standardized reference method (ISO 17468:2023)

Microbiologie de la chaîne alimentaire - Exigences et recommandations techniques pour le développement ou la révision d'une méthode de référence normalisée (ISO 17468:2023)

Mikrobiologie der Lebensmittelkette - Technische Anforderungen und Leitfaden zur Einführung oder Überarbeitung von genormten Referenzverfahren (ISO 17468:2023)

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN ISO 17468:2023 (E)

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European foreword

This document (EN ISO 17468:2023) has been prepared by Technical Committee ISO/TC 34 "Food products" in collaboration with Technical Committee CEN/TC 463 "Microbiology of the food chain" the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by May 2024, and conflicting national standards shall be withdrawn at the latest by May 2024.

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This document supersedes EN ISO 17468:2016.

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Endorsement notice

The text of ISO 17468:2023 has been approved by CEN as EN ISO 17468:2023 without any modification.

INTERNATIONAL STANDARD

ISO 17468

Second edition
2023-11

Microbiology of the food chain — Technical requirements and guidance on the establishment or revision of a standardized reference method

*Microbiologie de la chaîne alimentaire — Exigences et
recommandations techniques pour le développement ou la révision
d'une méthode de référence normalisée*



Reference number
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ISO 17468:2023(E)

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 9, *Microbiology*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 463, *Microbiology of the food chain*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 17468:2016), which has been technically revised.

The main changes are as follows:

- a cross-reference is made not only to ISO 16140-2, but also to ISO 16140-4 and ISO 16140-6;
- a new optional step has been added, "method(s) optimization". In addition, a new annex providing guidance on method optimization studies is included, to compare two options during the development of a new standardized reference method or for its revision;
- the inclusion of the case of confirmation and typing methods;
- the assessment of the nature of a change (minor/major) during the revision of a standardized reference method.

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Microbiology of the food chain — Technical requirements and guidance on the establishment or revision of a standardized reference method

1 Scope

This document gives technical requirements and guidance on the establishment or revision of standardized reference methods used for the analysis of microorganisms in:

- products intended for human consumption;
- products for feeding animals;
- environmental samples in the area of food and feed production and handling;
- samples from the primary production stage.

This document specifies the technical stages of the establishment of a new standardized reference method and of the revision of an existing standardized reference method. It includes, in particular, requirements and guidance on the validation of the selected method.

This document is intended to be implemented in particular by ISO/TC 34/SC 9 and its corresponding structure at CEN level, which is CEN/TC 463.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 5725-2, *Accuracy (trueness and precision) of measurement methods and results — Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method*

ISO 11133, *Microbiology of food, animal feed and water — Preparation, production, storage and performance testing of culture media*

ISO 16140-1:2016, *Microbiology of the food chain — Method validation — Part 1: Vocabulary*

ISO 16140-2:2016, *Microbiology of the food chain — Method validation — Part 2: Protocol for the validation of alternative (proprietary) methods against a reference method*

ISO 16140-2:2016/Amd.1:—¹⁾, *Microbiology of the food chain — Method validation — Part 2: Protocol for the validation of alternative (proprietary) methods against a reference method — Amendment 1: Revision of qualitative MCS data evaluation, RLOD calculations in the ILS, calculation and interpretation of the RT study, and inclusion of a commercial sterility testing protocol for specific products*

ISO 16140-6:2019, *Microbiology of the food chain — Method validation — Part 6: Protocol for the validation of alternative (proprietary) methods for microbiological confirmation and typing procedures*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

1) Under preparation. Stage at time of publication ISO 16140-2:2016/DAMD.1:2023.