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भारतीय मानक ***मसौदा***

खाद्य श्रृंखला का सूक्ष्म जीव विज्ञान — मानकीकृत संदर्भ विधि की स्थापना या संशोधन के लिए तकनीकी अपेक्षाएँ और मार्गदर्शन

(आइ एस IS 18568 का पहला पुनरीक्षण)

(आइ एस ओ 17468:2023 का अंगीकरण)

Draft *Indian Standard*

MICROBIOLOGY OF THE FOOD CHAIN — TECHNICAL REQUIREMENTS AND GUIDANCE ON ESTABLISHMENT OR REVISION OF A STANDARDIZED REFERENCE METHOD

(First Revision of IS 18568)

(Adoption of ISO 17468:2023)

ICS 07.100.30

Food Microbiology Sectional Committee Sectional Committee, FAD 31	Last date of comments is: 03/11/2025

NATIONAL FOREWORD

(*Adoption clauses would be added later*)

This draft Indian standard is an identical adoption of ISO 17468 : 2023 ‘Microbiology of the food chain — Technical requirements and guidance on establishment or revision of a standardized reference method’ issued by the International Organization for Standardization (ISO).

This standard was originally published in 2024, as an identical adoption of ISO 17468:2016. Subsequently, ISO 17468 was revised in 2023. The first revision of the standard has been undertaken to align with ISO 17468:2023.

The main changes in this revision are as follows:

a) Cross-reference is made not only to ISO 16140-2, but also to ISO 16140-4 and ISO 16140-6;

b) 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;

c) The inclusion of the case of confirmation and typing methods;

d) The assessment of the nature of a change (minor/major) during the revision of a standardized reference method.

The text of ISO standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'; and

b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, references appear to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their respective places are listed below along with their degree of equivalence for the editions indicated:

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
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	IS 15393 (Part 2) : 2021 / ISO 5725-2:2019 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 (*first revision*)	Identical

ISO 11133 Microbiology of food, animal feed and water — Preparation, production, storage and performance testing of culture media	IS 17383 : 2020 / ISO 11133: 2014 Microbiology of food, animal feed and water — Preparation, production, storage and performance testing of culture media	Identical
ISO 16140-1 : 2016 Microbiology of the food chain — Method validation Part 1: Vocabulary	IS 17113 (Part 1) : 2019 / ISO 16140-1: 2016 Microbiology of the food chain — Method validation Part 1: Vocabulary	Identical
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	IS 17113 (Part 2) : 2019 / 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	Identical
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	IS 17113 (Part 6) : 2022 / 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	Identical

The Committee has reviewed the provisions of the following document referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

International Standard/ Other Standard	*Title*
ISO 16140-2 : 2016/Amd 1:2024	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 method comparison study data evaluation, relative level of detection calculations in the interlaboratory study, calculation and interpretation of the relative trueness study, and inclusion of a commercial sterility testing protocol for specific products

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'FOR COMPLETE TEXT OF THE DOCUMENT, KINDLY REFER ISO 17468: 2023.

NOTE — The technical content of the document has not been enclosed as these are identical with the corresponding ISO Standard. For obtaining copy of the complete ISO Standard, please contact:

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