

ICS 07.100.30

Supersedes
DIN EN ISO 16649-3:2015-09

**Microbiology of the food chain –
Horizontal method for the enumeration of β -glucuronidase-positive
Escherichia coli –
Part 3: Detection and most probable number technique using
5-bromo-4-chloro-3-indolyl- β -D-glucuronide
(ISO 16649-3:2015, Corrected version 2016-12-15);
English version EN ISO 16649-3:2015,
English translation of DIN EN ISO 16649-3:2018-01**

Mikrobiologie der Lebensmittelkette –
Horizontales Verfahren zur Zählung von β -Glucuronidase-positiven *Escherichia coli* –
Teil 3: Nachweis und Bestimmung der wahrscheinlichsten Keimzahl unter Verwendung von
5-Brom-4-Chlor-3-Indol- β -D-Glucuronid
(ISO 16649-3:2015, korrigierte Fassung 2016-12-15);
Englische Fassung EN ISO 16649-3:2015,
Englische Übersetzung von DIN EN ISO 16649-3:2018-01

Microbiologie de la chaîne alimentaire –
Méthode horizontale pour le dénombrement des *Escherichia coli* β -glucuronidase positive –
Partie 3: Recherche et technique du nombre le plus probable utilisant le
bromo-5-chloro-4-indolyl-3 β -D-glucuronate
(ISO 16649-3:2015, Version corrigée 2016-12-15);
Version anglaise EN ISO 16649-3:2015,
Traduction anglaise de DIN EN ISO 16649-3:2018-01

Document comprises 19 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN ISO 16649-3:2015) contains the unchanged text of ISO 16649-3:2015, prepared by Technical Committee ISO/TC 34 “Food products” (Secretariat: AFNOR, France/ABNT, Brazil), Subcommittee SC 9 “Microbiology” (Secretariat: AFNOR, France). Based on the decision by CEN/TC 275 “Food analysis — Horizontal methods”, the document was developed according to the parallel voting procedure, lead-managed by ISO/TC 34/SC 9.

The responsible German body involved in its preparation was *DIN-Normenausschuss Lebensmittel und landwirtschaftliche Produkte* (DIN Standards Committee Food and Agricultural Products), Working Committee NA 057-01-06 AA “Microbiology of the food chain”.

The DIN Standards corresponding to the International Standards referred to in this document are as follows:

ISO 6887-1	DIN EN ISO 6887-1
ISO 6887-2	DIN EN ISO 6887-2
ISO 6887-3	DIN EN ISO 6887-3
ISO 6887-4	DIN EN ISO 6887-4
ISO 6887-5	DIN EN ISO 6887-5
ISO 6887-6	DIN EN ISO 6887-6
ISO 7218	DIN EN ISO 7218
ISO 11133	DIN EN ISO 11133

Amendments

This standard differs from DIN ISO/TS 16649-3:2009-12 as follows:

- a) the original Technical Specification ISO/TS 16649-3:2005-09 has been editorially revised and brought in line with the state of the art;
- b) a new method for the detection of *E. coli* has been added.

Compared with DIN EN ISO 16649-3:2015-09, the following corrections have been made:

- a) in subclause 4.1.4, in the first line, “(22 ± 2) h” has been replaced by “(21 ± 3) h”;
- b) in subclause 4.2.5, in the first line, “(22 ± 2) h” has been replaced by “(21 ± 3) h”;
- c) Table 1 has been replaced;
- d) Table 2 has been replaced;
- e) in subclause 9.1.4, in the first line, “(22 ± 2) h” has been replaced by “(21 ± 3) h”;
- f) in subclause 9.2.5, in the first line, “(22 ± 2) h” has been replaced by “(21 ± 3) h”;
- g) in subclause 9.2.5, in the second line, “three” has been replaced by “six”.

Previous editions

DIN ISO/TS 16649-3: 2009-12

DIN EN ISO 16649-3: 2015-09

National Annex NA (informative)

Bibliography

DIN EN ISO 6887-1, *Microbiology of the food chain — 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*

DIN EN ISO 6887-2, *Microbiology of the food chain — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination — Part 2: Specific rules for the preparation of meat and meat products*

DIN EN ISO 6887-3, *Microbiology of the food chain — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination — Part 3: Specific rules for the preparation of fish and fishery products*

DIN EN ISO 6887-4, *Microbiology of the food chain — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination — Part 4: Specific rules for the preparation of miscellaneous products*

DIN EN ISO 6887-5, *Microbiology of the food chain — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination — Part 5: Specific rules for the preparation of milk and milk products*

DIN EN ISO 6887-6, *Microbiology of the food chain — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination — Part 6: Specific rules for the preparation of samples taken at the primary production stage*

DIN EN ISO 7218, *Microbiology of food and animal feeding stuffs — General requirements and guidance for microbiological examinations*

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