



Nederlandse norm

NEN-ISO 17792

(en)

Milk, milk products and mesophilic starter cultures - Enumeration of citrate-fermenting lactic acid bacteria - Colony-count technique at 25 °C (ISO 17792:2006, IDT)

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- ISO 17792:2006, IDT

VOORBEELD
Preview

Normcommissie 370 005 "Melk en zuivelproducten"

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Preview

ISO 17792

**Milk, milk products and mesophilic
starter cultures — Enumeration of citrate-
fermenting lactic acid bacteria — Colony-
count technique at 25 °C**

*Lait, produits laitiers et ferments mésophiles — Dénombrement des
bactéries lactiques fermentant le citrate — Technique de comptage des
colonies à 25 °C*



Reference numbers
ISO 17792:2006(E)
IDF 180:2006(E)

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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 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.

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 17792|IDF 180 was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products*, and the International Dairy Federation (IDF). It is being published jointly by ISO and IDF.

Preview
ISO 17792|IDF 180

Foreword

IDF (the International Dairy Federation) is a worldwide federation of the dairy sector with a National Committee in every member country. Every National Committee has the right to be represented on the IDF Standing Committees carrying out the technical work. IDF collaborates with ISO in the development of standard methods of analysis and sampling for milk and milk products.

Draft International Standards adopted by the Action Teams and Standing Committees are circulated to the National Committees for voting. Publication as an International Standard requires approval by at least 50 % of IDF National Committees casting a vote.

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ISO 17792|IDF 180 was prepared by the International Dairy Federation (IDF) and Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products*. It is being published jointly by IDF and ISO.

All work was carried out by the Joint ISO-IDF Action Team on *Lactic acid bacteria starters*, of the Standing Committee on *Microbiological methods of analysis*, under the aegis of its project leader, Prof. B. Bianchi-Salvadori (IT).

This edition of ISO 17792|IDF 180 cancels and replaces IDF 180:1997, which has been technically revised.

Voorbereid
Preview

Milk, milk products and mesophilic starter cultures — Enumeration of citrate-fermenting lactic acid bacteria — Colony-count technique at 25 °C

1 Scope

This International Standard specifies methods for the enumeration of citrate-fermenting lactic acid bacteria using a colony-count technique at 25 °C.

The methods are applicable to dairy starter cultures and dairy products where these characteristic microorganisms are present.

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 565, *Test sieves — Metal wire cloth, perforated, metal, plate and electroformed sheet — Nominal sizes of openings*

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

ISO 8261|IDF 122, *Milk and milk products — General guidance for the preparation of test samples, initial suspensions and decimal dilutions for microbiological examination*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

citrate-fermenting bacteria

homofermentative and heterofermentative lactic acid bacteria that form lenticular colonies with a diameter between 0,5 mm and 1,2 mm in selective media containing citrate and special indicators as specified in this International Standard

NOTE The most important citrate-fermenting mesophilic lactic acid bacteria belong to the following species.

a) For lactococci:

— *Lactococcus lactis* subsp. *lactis* biovar *diacetylactis*;

microscopic appearance: lactococci are normally spherical or ovoid cells (0,4 µm to 1,0 µm), occurring in pairs or chains; they are non-spore-forming, Gram-positive, non-motile and catalase-negative.

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