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Nederlandse praktijkrichtlijn

# **NPR-ISO/TS 26844**

(en)

Milk and milk products - Determination of antimicrobial residues - Tube diffusion test (ISO/TS 26844:2006, IDT)

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Als Nederlandse praktijkrichtlijn is aanvaard:

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**Milk and milk products — Determination  
of antimicrobial residues — Tube  
diffusion test**

*Lait et produits laitiers — Détermination de résidus antimicrobiens —  
Test de dissémination en tube*



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## Foreword

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ISO/TS 26844 | IDFRM 215 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.

## 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.

The main task of technical committees is to prepare International Standards. 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 the IDF National Committees casting a vote.

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ISO/TS 26844|IDF/RM 215 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 *Veterinary residues*, of the Standing Committee on *Analytical methods for additives and contaminants*, under the aegis of its project leaders, Mr H. Stegeman (NL) and Mr J. Kerkhof (NL).

Voorbereid  
Preview



# Milk and milk products — Determination of antimicrobial residues — Tube diffusion test

## 1 Scope

This Technical Specification (Reviewed Method) specifies a microbiological inhibitor test for the detection of a broad variety of antimicrobials in milk and milk products.

The method is applicable to raw milk, heat-treated milk and reconstituted dried milk.

## 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 4833, *Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of micro-organisms — Colony-count technique at 30 °C*

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

ISO 13969|IDF 183, *Milk and milk products — Guidelines for a standardized description of microbial inhibitor tests*

ISO 18330|IDF 188, *Milk and milk products — Guidelines for a standardized description of immunoassays or receptor assays for the detection of antimicrobial residues*

## 3 Terms and definitions

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

### 3.1

#### **antimicrobial substances**

substances that show an inhibition in the procedure specified in this document

### 3.2

#### **limits of detection**

concentration level at which a defined percentage of positive samples is detected

EXAMPLE 95 %.

## 4 Principle

A milk sample is added to two test tubes with agar media containing *Geobacillus stearothermophilus* ATCC 10149 (identical to NIZO strain C953). The test tubes differ from each other in pH, in added supplements and synergistic antibiotics. Incubation resulting in normal growth of the organism causes the pH

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