

Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of mesophilic lactic acid bacteria — Colony-count technique at 30 °C

ICS 07.100.30

National foreword

This British Standard reproduces verbatim ISO 15214:1998 and implements it as the UK national standard.

The UK participation in its preparation was entrusted to Technical Committee AW/9, Microbiology, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Additional information

This horizontal method may not be appropriate in all food situations, and other methods are more productive with some types of food.

In applying this standard it is important to avoid excessive exposure to changes in pH during the preparation of dilutions: in the UK, for lower pH food material 0.1 % peptone water without pH adjustment is preferred instead of buffered peptone water at pH 7.0 as described.

To adjust commercially available MRS agar to pH 5.7 use acetic acid.

In the UK, microaerobic incubation conditions (5–10 % oxygen and 5 % carbon dioxide) are commonly applied or the use of a candle jar may be considered. However, if aerobic incubation is the only option then either use the pour plate method or overlay spread plates with 5 ml of MRS agar.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the ISO title page, pages ii to iv, pages 1 to 6 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

This British Standard, having been prepared under the direction of the Consumer Products and Services Sector Board, was published under the authority of the Standards Board and comes into effect on 15 October 1998

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ISBN 0 580 30378 0

Amendments issued since publication

Amd. No.	Date	Comments