ISO 21528-1:2004-08 (E)

Microbiology of food and animal feeding stuffs - Horizontal methods for the detection and enumeration of Enterobacteriaceae - Part 1: Detection and enumeration by MPN technique with pre-enrichment

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Principle 2
4.1 Detection of Enterobacteriaceae (see Annex A) 2
4.2 Enumeration by the MPN technique (see Annex B) 3

5 Diluent, culture media and reagent 3

6 Apparatus and glassware 7

7 Sampling 7

8 Preparation of test sample 7

9 Procedure 7
9.1 General 7
9.2 Detection method 8
9.3 Enumeration method (MPN method) 8
9.4 Isolation and selection for confirmation 9
9.5 Subculturing selected colonies 9
9.6 Biochemical confirmation tests 9

10 Expression of results 9
10.1 Confirmed positive tubes 9
10.2 Detection method 10
10.3 Enumeration method: Calculation of the most probable number (MPN) 10

11 Precision 10

12 Test report 10

Annex A (normative) Diagram of procedure of the detection method 11

Annex B (normative) Diagram of procedure for MPN technique 12