

DIN EN ISO 21528-2:2017-09 (E)

Microbiology of the food chain - Horizontal method for the detection and enumeration of Enterobacteriaceae - Part 2: Colony-count technique (ISO 21528-2:2017)

Contents	Page
European foreword.....	3
Foreword.....	4
Introduction.....	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions.....	6
4 Principle.....	7
4.1 Preparation of initial suspension and decimal dilutions.....	7
4.2 Isolation and selection for confirmation.....	7
4.3 Confirmation.....	7
4.4 Calculation.....	7
5 Diluent, culture media and reagent.....	7
6 Equipment and consumables.....	7
7 Sampling.....	8
8 Preparation of test sample.....	8
9 Procedure.....	8
9.1 General.....	8
9.2 Test portion, initial suspension and dilutions.....	9
9.3 Inoculation and incubation.....	9
9.4 Counting and selection of colonies for confirmation.....	9
9.5 Subculturing selected colonies.....	9
9.6 Biochemical confirmation tests.....	10
9.6.1 Oxidase reaction.....	10
9.6.2 Fermentation test.....	10
9.6.3 Interpretation of biochemical tests.....	10
10 Expression of results.....	10
11 Performance characteristics of the method.....	10
11.1 Interlaboratory study.....	10
11.2 Repeatability limit.....	10
11.3 Reproducibility limit.....	11
12 Test report.....	11
13 Quality assurance.....	12
Annex A (normative) Culture media and reagents.....	13
Annex B (informative) Method validation studies and performance characteristics.....	17
Bibliography.....	20