

DIN EN ISO 11290-2:2017-09 (E)

Microbiology of the food chain - Horizontal method for the detection and enumeration of *Listeria monocytogenes* and of *Listeria* spp. - Part 2: Enumeration method (ISO 11290-2:2017)

Contents	Page
European foreword.....	3
Foreword.....	4
Introduction.....	5
1 Scope	6
2 Normative references	6
3 Terms and definitions	7
4 Principle	7
4.1 General.....	7
4.2 Initial suspension.....	7
4.3 Surface plating.....	7
4.4 Incubation.....	7
4.5 Confirmation.....	8
4.6 Enumeration.....	8
5 Culture media and reagents	8
6 Equipment and consumables	8
7 Sampling	8
8 Preparation of test sample	9
9 Procedure	9
9.1 Test portion, initial suspension and dilutions.....	9
9.2 Inoculation and incubation.....	9
9.3 Enumeration of characteristic colonies.....	9
9.4 Confirmation of <i>L. monocytogenes</i> or <i>Listeria</i> spp.	10
9.4.1 Selection of colonies for confirmation.....	10
9.4.2 Confirmation of <i>L. monocytogenes</i>	11
9.4.3 Confirmation of <i>Listeria</i> spp.	14
9.5 Interpretation of morphological and physiological properties and of the biochemical reactions.....	15
9.6 Additional characterization of isolated strains (optional).....	15
10 Expression of results	15
11 Performance characteristics of the method	15
11.1 Method validation study.....	15
11.2 Repeatability limit.....	16
11.3 Reproducibility limit.....	16
12 Test report	16
13 Quality assurance	17
Annex A (normative) Diagram of procedure	18
Annex B (normative) Composition and preparation of media and reagents	19
Annex C (informative) Distinction of <i>Listeria</i> spp. from other genera	27
Annex D (informative) Reactions for the identification of <i>Listeria</i> species	28
Annex E (informative) Results of interlaboratory studies for enumeration of <i>Listeria monocytogenes</i>	30
Bibliography	33