ISO 18743:2015-09 (E)

Microbiology of the food chain - Detection of Trichinella larvae in meat by artificial digestion method

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 2
4.1 General 2
4.2 Sample size 2
4.3 Blending/grinding of the muscle sample 2
4.4 Preparation of the digest fluid 2
4.5 Digestion of the chopped meat 2
4.6 Filtration of the digest fluid 3
4.7 Sedimentation of the digest fluid 3
4.8 Microscopic examination 3
4.9 Verification of findings 3

5 Reagents 3

6 Apparatus 4

7 Sampling, labelling, and transport 5

8 Sample preparation 5

9 Procedure 5
9.1 General 5
9.2 Blending/grinding 5
9.3 Preparation of the digest fluid 6
9.4 Digestion of the chopped meat in the glass beaker 6
9.5 Filtration of the digest fluid 6
9.6 Sedimentation of the digest fluid in the separatory funnel 7
9.7 Collection of the primary and secondary sediment 7
9.8 Microscopic examination 7

10 Documentation 8

11 Expression of the results 8

12 Safety measures 8

Annex A (normative) Sample collection 9

Annex B (normative) Frozen samples 11

Annex C (informative) Artificial digestion magnetic stirrer method 12

Annex D (informative) Example of a laboratory worksheet for recording data when testing pooled samples by digestion assay 14

Bibliography 15