



BSI Standards Publication

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

National foreword

This British Standard is the UK implementation of EN ISO 18743:2015+A1:2023. It is identical to ISO 18743:2015+A1:2023. It supersedes [BS EN ISO 18743:2015](#), which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to ISO text carry the number of the ISO amendment. For example, text altered by ISO amendment 1 is indicated by A1.

The UK participation in its preparation was entrusted to Technical Committee AW/9, Microbiology.

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

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English Version

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Microbiologie de la chaîne alimentaire - Recherche des
larves de Trichinella dans la viande par une méthode
de digestion artificielle (ISO 18743:2015)

Mikrobiologie von Lebensmitteln und Futtermitteln -
Nachweis von Trichinellenlarven aus Fleischproben -
Physikalisches Verdauungsverfahren (ISO
18743:2015)

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European foreword

This document (EN ISO 18743:2015) has been prepared by Technical Committee ISO/TC 34 "Food products" in collaboration with Technical Committee CEN/TC 275 "Food analysis - Horizontal methods" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2016, and conflicting national standards shall be withdrawn at the latest by March 2016.

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Endorsement notice

The text of ISO 18743:2015 has been approved by CEN as EN ISO 18743:2015 without any modification.

European foreword to Amendment 1

This document (EN ISO 18743:2015/A1:2023) has been prepared by Technical Committee ISO/TC 34 "Food products" in collaboration with Technical Committee CEN/TC 463 "Microbiology of the food chain" the secretariat of which is held by AFNOR.

This Amendment to the European Standard EN ISO 18743:2015 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2024, and conflicting national standards shall be withdrawn at the latest by February 2024.

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Endorsement notice to Amendment 1

The text of ISO 18743:2015/Amd 1:2023 has been approved by CEN as EN ISO 18743:2015/A1:2023 without any modification.

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Foreword

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The committee responsible for this document is ISO/TC 34, *Food products*, Subcommittee SC 9, *Microbiology*.

Introduction

Trichinella spp. are the causative agents of human trichinellosis, a disease which is a public health hazard and, as a result, also represents an economic problem in porcine animal production. Due to the zoonotic importance of this infection in many countries, the main efforts have focused on control and/or eradication of *Trichinella* from domestic pigs, the most important source of human infection worldwide. Digestion methods for detection of *Trichinella* larvae in muscle samples from pigs and other susceptible animal species intended for human consumption (e.g. horses, wild boars, walruses, and bears), are effective for preventing clinical trichinellosis in humans. Due to the limits of sensitivity of digestion methods, these methods might not detect infected animals with very small numbers of larvae in muscle samples, that can pose a risk for subclinical infections in humans.

