

SLOVENSKI STANDARD SIST EN ISO 18743:2015

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Mikrobiologija v prehranski verigi - Ugotavljanje prisotnosti ličink Trichinella v mesu z digestivno metodo (ISO 18743:2015)

Microbiology of the food chain - Detection of Trichinella larvae in meat by artificial digestion method (ISO 18743:2015)

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

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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)

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Microbiology of the food chain - Detection of Trichinella larvae in meat by artificial digestion method (ISO 18743:2015)

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.

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

Microbiologie de la chaîne alimentaire — Recherche des larves de Trichinella dans la viande par une méthode de digestion artificielle

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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.

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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.

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