



SLOVENSKI STANDARD SIST EN ISO 19250:2013

01-julij-2013

Nadomešča:
SIST ISO 6340:1998

Kakovost vode - Ugotavljanje prisotnosti Salmonella spp. (ISO 19250:2010)

Water quality - Detection of Salmonella spp. (ISO 19250:2010)

Wasserbeschaffenheit - Bestimmung von Salmonella spp. (ISO 19250:2010)

Qualité de l'eau - Recherche de Salmonella spp. (ISO 19250:2010)

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Ta slovenski standard je istoveten z: EN ISO 19250:2013

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ICS:

07.100.20 Mikrobiologija vode Microbiology of water

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 19250

April 2013

ICS 07.100.20

English Version

Water quality - Detection of *Salmonella* spp. (ISO 19250:2010)

Qualité de l'eau - Recherche de *Salmonella* spp. (ISO 19250:2010)

Wasserbeschaffenheit - Bestimmung von *Salmonella* spp. (ISO 19250:2010)

This European Standard was approved by CEN on 21 March 2013.

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Foreword

The text of ISO 19250:2010 has been prepared by Technical Committee ISO/TC 147 “Water quality” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 19250:2013 by Technical Committee CEN/TC 230 “Water analysis” 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of an identical text or by endorsement, at the latest by October 2013, and conflicting national standards shall be withdrawn at the latest by October 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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Endorsement notice

The text of ISO 19250:2010 has been approved by CEN as EN ISO 19250:2013 without any modification.

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INTERNATIONAL
STANDARD

ISO
19250

First edition
2010-07-15

**Water quality — Detection of *Salmonella*
spp.**

Qualité de l'eau — Recherche de Salmonella spp.

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ISO 19250:2010(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 19250 was prepared by Technical Committee ISO/TC 147, *Water quality*, Subcommittee SC 4, *Microbiological methods*.

This edition cancels and replaces ISO 6340:1995, which has been technically revised.

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Introduction

Salmonella species are bacteria which are widely distributed all over the world. They are usually classified as pathogens, although their virulence and pathogenesis vary widely. The natural hosts of *Salmonella* include humans, agricultural and domestic livestock, and wild animals including birds. Humans and animals can excrete these bacteria while carrying them asymptotically as well as during disease. It is therefore impossible to eliminate them from the environment. Following the infection of humans, the transmission of *Salmonella* can cause severe disease.

Since water is a recognized vehicle of infection, the presence or absence of *Salmonella* is monitored in water where there is perceived to be a risk of infection. *Salmonella* can be present in all types of domestic and agricultural waste water, freshwaters, including ground and drinking waters, as well as sea water.

The detection of *Salmonella* in water usually requires a concentration step. Since *Salmonella* cells can be present in low numbers and injured in the aqueous environment, their detection in water usually requires a pre-enrichment step.

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