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Water quality - Detection and enumeration of bacteriophages - Part 2: Enumeration of somatic coliphages

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 10705-2:2002 sisaldab Euroopa standardi EN ISO 10705-2:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 14.02.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 10705-2:2002 consists of the English text of the European standard EN ISO 10705-2:2001.</p> <p>This document is endorsed on 14.02.2002 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This standard specifies a method for the detection and enumeration of somatic coliphages by incubating the sample with an appropriate host strain. This method is applicable to all kinds of water, sediments and sludge extracts, where necessary after dilution. The method is also applicable to shellfish extracts.</p>	<p>Scope: This standard specifies a method for the detection and enumeration of somatic coliphages by incubating the sample with an appropriate host strain. This method is applicable to all kinds of water, sediments and sludge extracts, where necessary after dilution. The method is also applicable to shellfish extracts.</p>
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Võtmesõnad: bacteria count methods, bacteria cultures, coli bacteria, counting, culture (biology), cultures (biology), microbiological analysis, somatic, water quality, water testing, verification, viruses

English version

Water quality – Detection and enumeration
of bacteriophages

Part 2: Enumeration of somatic coliphages
(ISO 10705-2 : 2000)

Qualité de l'eau – Détection et dénom-
brement des bactériophages –
Partie 2: Dénombrement des
coliphages somatiques
(ISO 10705-2 : 2000)

Wasserbeschaffenheit – Nachweis und
Zählung von Bakteriophagen – Teil 2:
Zählung von somatischen Coliphagen
(ISO 10705-2 : 2000)

This European Standard was approved by CEN on 2001-06-29.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Management Centre: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 10705-2 : 2000 Water quality – Detection and enumeration of bacteriophages – Part 2: Enumeration of somatic coliphages,

which was prepared by ISO/TC 147 'Water quality' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 230 'Water analysis', the Secretariat of which is held by DIN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by February 2002 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 10705-2 : 2000 was approved by CEN as a European Standard without any modification.

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1 Scope

This part of ISO 10705 specifies a method for the detection and enumeration of somatic coliphages by incubating the sample with an appropriate host strain. The method is applicable to all kinds of water, sediments and sludge extracts, where necessary after dilution. The method is also applicable to shellfish extracts.

In the case of low phage numbers, a preconcentration step may be necessary for which a separate International Standard will be developed.

NOTE It is desirable for International Standards to be adopted as widely as possible. This part of ISO 10705 includes reference to alternative procedures which obviate the need for expensive materials or equipment which may not be readily available in developing countries. Use of these alternatives will not affect the performance of this method.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 10705. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 10705 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 31-0:1992, *Quantities and units — Part 0: General principles.*

ISO 3696:1987, *Water for analytical laboratory use — Specification and test methods.*

ISO 5667-1:1980, *Water quality — Sampling — Part 1: Guidance on the design of sampling programmes.*

ISO 5667-2:1991, *Water quality — Sampling — Part 2: Guidance on sampling techniques.*

ISO 5667-3:1994, *Water quality — Sampling — Part 3: Guidance on the preservation and handling of samples.*

ISO 6887:1983, *Microbiology — General guidance for the preparation of dilutions for microbiological examination.*

ISO 8199:1988, *Water quality — General guide to the enumeration of micro-organisms by culture.*

ISO/IEC Guide 2, *Standardization and related activities — General vocabulary.*

3 Terms and definitions

For the purposes of this part of ISO 10705, the terms and definitions given in ISO/IEC Guide 2 and the following apply.