



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN ISO 9308-1:2014

Water quality - Enumeration of Escherichia coli and coliform bacteria - Part 1: Membrane filtration method for waters with low bacterial background

Qualité de l'eau - Dénombrement des
Escherichia coli et des bactéries
coliformes - Partie 1: Méthode par
filtration sur membrane pour les eaux à

Wasserbeschaffenheit - Zählung von
Escherichia coli und coliformen
Bakterien - Teil 1:
Membranfiltrationsverfahren für Wässer

09/2014



National Foreword

This European Standard EN ISO 9308-1:2014 was adopted as Luxembourgish Standard ILNAS-EN ISO 9308-1:2014.

Every interested party, which is member of an organization based in Luxembourg, can participate for FREE in the development of Luxembourgish (ILNAS), European (CEN, CENELEC) and International (ISO, IEC) standards:

- Participate in the design of standards
- Foresee future developments
- Participate in technical committee meetings

<https://portail-qualite.public.lu/fr/normes-normalisation/participer-normalisation.html>

THIS PUBLICATION IS COPYRIGHT PROTECTED

Nothing from this publication may be reproduced or utilized in any form or by any mean - electronic, mechanical, photocopying or any other data carries without prior permission!

ILNAS-EN ISO 9308-1:2014

EUROPEAN STANDARD **EN ISO 9308-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2014

ICS 07.100.20

Supersedes EN ISO 9308-1:2000

English Version

Water quality - Enumeration of Escherichia coli and coliform bacteria - Part 1: Membrane filtration method for waters with low bacterial background flora (ISO 9308-1:2014)

Qualité de l'eau - Dénombrement des Escherichia coli et des bactéries coliformes - Partie 1: Méthode par filtration sur membrane pour les eaux à faible teneur en bactéries (ISO 9308-1:2014)

Wasserbeschaffenheit - Zählung von Escherichia coli und coliformen Bakterien - Teil 1: Membranfiltrationsverfahren für Wässer mit niedriger Begleitflora (ISO 9308-1:2014)

This European Standard was approved by CEN on 24 August 2014.

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 CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents	Page
Foreword.....	3

Foreword

This document (EN ISO 9308-1:2014) has been prepared by Technical Committee ISO/TC 147 "Water quality" in collaboration with 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 March 2015, and conflicting national standards shall be withdrawn at the latest by March 2015.

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.

This document supersedes EN ISO 9308-1:2000.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 9308-1:2014 has been approved by CEN as EN ISO 9308-1:2014 without any modification.

**Water quality — Enumeration
of *Escherichia coli* and coliform
bacteria —**

**Part 1:
Membrane filtration method for
waters with low bacterial background
flora**

*Qualité de l'eau — Dénombrement des *Escherichia coli* et des
bactéries coliformes —*

*Partie 1: Méthode par filtration sur membrane pour les eaux à faible
teneur en bactéries*



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2014

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus and glassware	2
6 Culture media and reagents	2
7 Sampling	3
8 Procedure	3
8.1 Preparation of the sample.....	3
8.2 Filtration.....	3
8.3 Incubation and differentiation.....	3
9 Expression of results	4
10 Test report	4
11 Quality assurance	4
11.1 General.....	4
11.2 Performance testing of Chromogenic Coliform Agar (CCA).....	4
11.3 Performance testing of oxidase test.....	5
Annex A (informative) Further microbiological information on coliform bacteria	6
Annex B (normative) Composition and preparation of culture media and reagents	7
Annex C (informative) Performance characteristics	9
Bibliography	10