



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

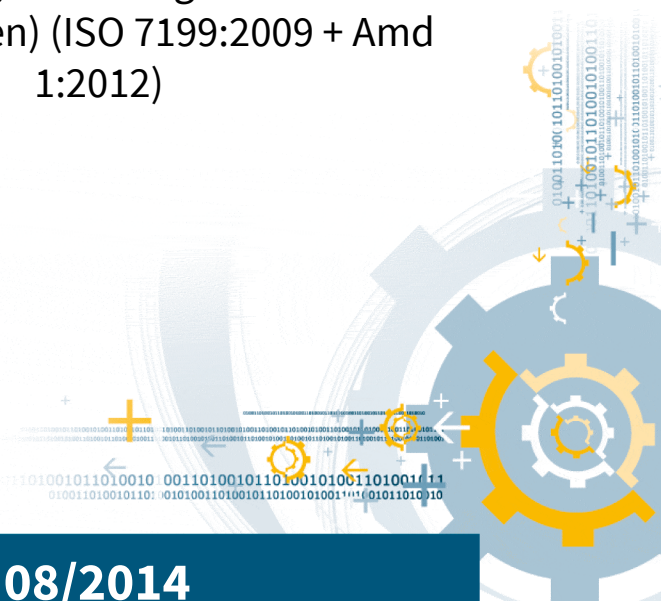
ILNAS-EN ISO 7199:2014

Cardiovascular implants and artificial organs - Blood-gas exchangers (oxygenators) (ISO 7199:2009 + Amd 1:2012)

Implants cardiovasculaires et organes
artificiels - Échangeurs gaz/sang
extracorporels (oxygénateurs) (ISO
7199:2009 + Amd 1:2012)

Kardiovaskuläre Implantate und
künstliche Organe - Blutgasaustauscher
(Oxygenatoren) (ISO 7199:2009 + Amd
1:2012)

08/2014



National Foreword

This European Standard EN ISO 7199:2014 was adopted as Luxembourgish Standard ILNAS-EN ISO 7199:2014.

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!

EUROPEAN STANDARD ^{ILNAS-EN ISO 7199:2014} **EN ISO 7199**
NORME EUROPÉENNE
EUROPÄISCHE NORM

August 2014

ICS 11.040.40

Supersedes EN 12022:1999

English Version

**Cardiovascular implants and artificial organs - Blood-gas
exchangers (oxygenators) (ISO 7199:2009 + Amd 1:2012)**

Implants cardiovasculaires et organes artificiels -
Échangeurs gaz/sang extracorporels (oxygénateurs) (ISO
7199:2009 + Amd 1:2012)

Kardiovaskuläre Implantate und künstliche Organe -
Blutgasaustauscher (Oxygenatoren) (ISO 7199:2009 + Amd
1:2012)

This European Standard was approved by CEN on 17 July 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