

SLOVENSKI STANDARD SIST EN ISO 8536-4:2020

01-marec-2020

Nadomešča:

SIST EN ISO 8536-4:2013

SIST EN ISO 8536-4:2013/A1:2013

Infuzijska oprema za uporabo v medicini - 4. del: Infuzijski seti za enkratno uporabo, delujoči na osnovi gravitacije (ISO 8536-4:2019)

Infusion equipment for medical use - Part 4: Infusion sets for single use, gravity feed (ISO 8536-4:2019)

Infusionsgeräte zur medizinischen Verwendung - Teil 4: Infusionsgeräte für Schwerkraftinfusionen zur einmaligen Verwendung (ISO 8536-4:2019)

Matériel de perfusion à usage médical - Partie 4: Appareils de perfusion non réutilisables, à alimentation par gravité (ISO 8536-4:2019)

Ta slovenski standard je istoveten z. EN ISO 8536-4:2020

ICS:

11.040.20 Transfuzijska, infuzijska in

injekcijska oprema

Transfusion, infusion and injection equipment

SIST EN ISO 8536-4:2020

en

SIST EN ISO 8536-4:2020

I el SI A Republication of the sale of the

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN ISO 8536-4

January 2020

ICS 11.040.20

Supersedes EN ISO 8536-4:2013

English Version

Infusion equipment for medical use - Part 4: Infusion sets for single use, gravity feed (ISO 8536-4:2019)

Matériel de perfusion à usage médical - Partie 4: Appareils de perfusion non réutilisables, à alimentation par gravité (ISO 8536-4:2019) Infusionsgeräte zur medizinischen Verwendung - Teil 4: Infusionsgeräte für Schwerkraftinfusionen zur einmaligen Verwendung (ISO 8536-4:2019)

This European Standard was approved by CEN on 17 October 2019.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, 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: Rue de la Science 23, B-1040 Brussels

EN ISO 8536-4:2020 (E)

Contents	Page
European foreword	3

European foreword

This document (EN ISO 8536-4:2020) has been prepared by Technical Committee ISO/TC 76 "Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use" in collaboration with Technical Committee CEN/TC 205 "Non-active medical devices" 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 July 2020, and conflicting national standards shall be withdrawn at the latest by January 2023.

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

This document supersedes EN ISO 8536-4:2013.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovania, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 8536-4:2019 has been approved by CEN as EN ISO 8536-4:2020 without any modification.

SIST EN ISO 8536-4:2020

I el SI A Republication of the sale of the

INTERNATIONAL STANDARD

ISO 8536-4

Sixth edition 2019-09

Infusion equipment for medical use — Part 4: Infusion sets for single use, gravity feed

Matériel de perfusion à usage médical —

Partie 4: Appareils de perfusion non réutilisables, à alimentation par arayité

et SI A Indanta sandaranda Setandari sandaranda sasaranda sandaranda sasaranda sandaranda sandarand



Reference number ISO 8536-4:2019(E)

ISO 8536-4:2019(E)





COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

All rights reserved. Unless otherwise specified, or required in the context of its implementation, 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 CP 401 • Ch. de Blandonnet 8 CH-1214 Vernier, Geneva Phone: +41 22 749 01 11 Fax: +41 22 749 09 47 Email: copyright@iso.org

Website: www.iso.org Published in Switzerland

Contents			
Forev	vord		iv
1	Scope		1
2	•	1	
3	Terms and	1	
4		1	
5	Designation		
6	_	4	
7	Physical re 7.1 Part 7.2 Leak 7.3 Tens 7.4 Clos 7.5 Air-i	equirements ciculate contamination kage sile strength cure-piercing device inlet device ing d filter chamber and drip tube w regulator w rate of infusion set ction site e conical fitting tective caps requirements ucing (oxidizable) matter al ions ation acidity or alkalinity absorption of extract solution	
9	9.1 Gene 9.2 Ster 9.3 Pyro 9.4 Haei	requirements and the second se	
10	9.5 Toxicity		
11	Packaging		
12	2 Disposal		
Anne	x A (normativ	ve) Physical tests	10
Annex B (normative) Chemical tests			
Annex C (normative) Biological tests			
Bibli	ography		18

ISO 8536-4:2019(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 76, Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use.

This sixth edition cancels and replaces the fifth edition (ISO 8536-4:2010), which has been technically revised. It also incorporates the Amendment ISO 8536-4:2010/Amd.1:2013.

The main changes compared to the previous edition are as follows:

- Clause 5 'Designation' now refers to Clause 10 'Labelling';
- the physical requirements especially regarding stand-alone air-inlet devices have been further clarified;
- <u>Clause 10</u> 'Labelling' has been updated;
- test for leakage in A.3 has been updated;
- determination of flow rate in A.5 has been totally reviewed;
- normative references in <u>Clause 2</u> and the Bibliography have been updated.

A list of all parts in the ISO 8536 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.