

SLOVENSKI STANDARD oSIST prEN ISO 10555-1:2011

01-december-2011

Sterilni žilni katetri za enkratno uporabo - 1. del: Splošne zahteve (ISO/DIS 10555-1:2011)

Intravascular catheters - Sterile and single-use catheters - Part 1: General requirements (ISO/DIS 10555-1:2011)

Intravaskuläre Katheter - Sterile Katheter zur einmaligen Verwendung - Teil 1: Allgemeine Anforderungen (ISO/DIS 10555-1:2011)

Cathéters intravasculaires - Cathéters stériles et non réutilisables - Partie 1: Exigences généralesv (ISO/DIS 10555-1:2011)

Ta slovenski standard je istoveten z: prEN ISO 10555-1 rev

ICS:

11.040.25 Injekcijske brizge, igle in Syringes, needles an

katetri catheters

oSIST prEN ISO 10555-1:2011 en

oSIST prEN ISO 10555-1:2011

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 10555-1:2013

https://standards.iteh.ai/catalog/standards/sist/7ef30895-c8d2-4c6c-b76f-234d0319534a/sist-en-iso-10555-1-2013

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

DRAFT prEN ISO 10555-1 rev

September 2011

ICS 11.040.25

Will supersede EN ISO 10555-1:2009

English Version

Intravascular catheters - Sterile and single-use catheters - Part 1: General requirements (ISO/DIS 10555-1:2011)

Cathéters intravasculaires - Cathéters stériles et non réutilisables - Partie 1: Exigences généralesv (ISO/DIS 10555-1:2011)

Intravaskuläre Katheter - Sterile Katheter zur einmaligen Verwendung - Teil 1: Allgemeine Anforderungen (ISO/DIS 10555-1:2011)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 205.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning: This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

prEN ISO 10555-1:2011 (E)

Contents	Page
Foreword	
roreword	

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 10555-1:2013
https://standards.iteh.ai/catalog/standards/sist/7ef30895-c8d2-4c6c-b76f

prEN ISO 10555-1:2011 (E)

Foreword

This document (prEN ISO 10555-1:2011) has been prepared by Technical Committee ISO/TC 84 "Devices for administration of medicinal products and intravascular catheters" in collaboration with Technical Committee CEN/TC 205 "Non-active medical devices" the secretariat of which is held by DIN.

This document is currently submitted to the parallel Enquiry.

This document will supersede EN ISO 10555-1:2009.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

Endorsement notice

The text of ISO/DIS 10555-1:2011 has been approved by CEN as a prEN ISO 10555-1:2011 without any modification.

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 10555-1:2013
https://standards.iteh.ai/catalog/standards/sist/7ef30895-c8d2-4c6c-b76f-234d0319534a/sist-en-iso-10555-1-2013

oSIST prEN ISO 10555-1:2011

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 10555-1:2013

https://standards.iteh.ai/catalog/standards/sist/7ef30895-c8d2-4c6c-b76f-234d0319534a/sist-en-iso-10555-1-2013



DRAFT INTERNATIONAL STANDARD ISO/DIS 10555-1

ISO/TC **84** Secretariat: **DS**

Voting begins on Voting terminates on

2011-09-29 2012-02-29

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • MEЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Intravascular catheters — Sterile and single-use catheters —

Part 1:

General requirements

Cathéters intravasculaires — Cathéters stériles et non réutilisables —

Partie 1: Exigences générales

[Revision of first edition (ISO 10555-1:1995) and ISO 10555-1:1995/Amd.1:1999 and ISO 10555-1:1995/Amd.2:2004]

ICS 11.040.25

iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

In accordance with the provisions of Council Resolution 15/1993 this document is circulated in the English language only.

Conformément aux dispositions de la Résolution du Conseil 15/1993, ce document est distribué en version anglaise seulement.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

ISO/DIS 10555-1

iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN ISO 10555-1:2013</u> https://standards.iteh.ai/catalog/standards/sist/7ef30895-c8d2-4c6c-b76f-234d0319534a/sist-en-iso-10555-1-2013

Copyright notice

This ISO document is a Draft International Standard and is copyright-protected by ISO. Except as permitted under the applicable laws of the user's country, neither this ISO draft nor any extract from it may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, photocopying, recording or otherwise, without prior written permission being secured.

Requests for permission to reproduce should be addressed to 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

Reproduction may be subject to royalty payments or a licensing agreement.

Violators may be prosecuted.

Contents

Page

Forewo	ord	
1	Scope	
•	Normative references	
2	Normative references	1
3	Terms and definitions	1
4	Requirements	4
4.1	General	4
4.2	Biocompatibility	4
4.3	Surface	4
4.4	Corrosion resistance	
4.5 4.6	Peak force at break	4
4.6 4.7	Freedom from leakage	······································
4.8	Flowrate	
4.9	Power injection	
4.10	Power injection	5
E	Decignation of new installed NID A DID INDIVIT	
5 5.1	Outside diameter	
5.2	Designation of nominal size Outside diameter Effective length	6
_	Information to be supplied by manufacturer	
6	Information to be supplied by manufacturer	6
6.1	General	6
6.2 6.3	Marking on the device and/or individual pack	
6.4	Marking on the outer pack	2-4-00-0701-
-	2542U3193244/SISt-EII-ISO-1U333-1-ZU13	
	A (normative) Test method for corrosion resistance	
A.1 A.2	PrincipleReagents	٥
A.2 A.3	Apparatus	
A.4	Procedure	
A.5	Test report	8
Annov	B (normative) Method for determining force at break	
B.1	Principle	
B.2	PrincipleApparatus	0
B.3	Procedure	g
B.4	Test report	
Annov	C (normative) Test method for liquid leakage under pressure	4.4
C.1	Principle	
C.2	Reagent	
C.3	Apparatus	11
C.4	Procedure	11
Ç.5	Test report	
Annov	D (normative) Test method for air leakage into hub assembly during a	seniration 13
D.1	Principle	
D.2	Reagent	
D.3	Apparatus	
D.4	Procedure	
D.5	Test report	
Annex	E (normative) Determination of flowrate through catheter	15

ISO/DIS 10555-1

E.1	Principle		15
E.2 E.3 E.4	Reagent		
E.5	Expression of results		15
E.6	Test report		15
Annex F.1	F (normative) Test for Burst Pressure under Static Conditions		
F.2	PrincipleApparatus		18
F.3	Procedure		18
F.4	Procedure Test report		19
Annex	G (normative) Power Injection Test for Flowrate and Device Pressure (only for products	
G.1	indicated for power injection)	<u></u>	22
G.2	Apparatus		
G.3	Test procedure		22
G.4	Test report		23
Biblio	graphy		25

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 105.5-1:2013 https://standards.iteh.g/c/ttalog/standards/sist/7ef30895-c8d2-4c6c-b76f-234/03/95/42sist-en-iso-10555-1-2013



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 1SO/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 10555-1 was prepared by Technical Committee ISO/TC 84, Devices for administration of medicinal products and intravascular catheters.

This second edition cancels and replaces the first edition which has been technically revised.

ISO 10555 consists of the following parts, under the general title *Intravascular catheters* — Sterile and single-use catheters:

- Part 1: General requirements
- Part 2: Angiographic catheters:
- Part 3: Central venous catheters
- Part 4: Balloon dilatation catheters
- Part 5: Over-needle peripheral catheters

Attention is drawn to ISO 11070, which will specify requirements for accessory devices for use with intravascular catheters.



oSIST prEN ISO 10555-1:2011

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 10555-1:2013

https://standards.iteh.ai/catalog/standards/sist/7ef30895-c8d2-4c6c-b76f-234d0319534a/sist-en-iso-10555-1-2013