

### SLOVENSKI STANDARD SIST EN ISO 8871-5:2014

01-oktober-2014

Deli iz elastomera za parenteralne farmacevtske oblike - 5. del: Funkcionalne zahteve in preskušanje (ISO 8871-5:2005)

Elastomeric parts for parenterals and for devices for pharmaceutical use - Part 5: Functional requirements and testing (ISO 8871-5:2005)

Elastomere Teile für Parenteralia und für Geräte zur pharmazeutischen Verwendung - Teil 5: Funktionelle Anforderungen und Prüfung (ISO 8871-5:2005)

Éléments en élastomère pour administration parentérale et dispositifs à usage pharmaceutique - Partie 5: Exigences fonctionnelles et essais (ISO 8871-5:2005)

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ICS:

11.040.20 Transfuzijska, infuzijska in

injekcijska oprema

Transfusion, infusion and

injection equipment

SIST EN ISO 8871-5:2014

en

**SIST EN ISO 8871-5:2014** 

### iTeh STANDARD PREVIEW (standards.iteh.ai)

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM **EN ISO 8871-5** 

July 2014

ICS 11.040.20

### **English Version**

# Elastomeric parts for parenterals and for devices for pharmaceutical use - Part 5: Functional requirements and testing (ISO 8871-5:2005)

Éléments en élastomère pour administration parentérale et dispositifs à usage pharmaceutique - Partie 5: Exigences fonctionnelles et essais (ISO 8871-5:2005)

Elastomere Teile für Parenteralia und für Geräte zur pharmazeutischen Verwendung - Teil 5: Funktionelle Anforderungen und Prüfung (ISO 8871-5:2005)

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

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

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### EN ISO 8871-5:2014 (E)

Contents	Page
Foreword	3

## iTeh STANDARD PREVIEW (standards.iteh.ai)

EN ISO 8871-5:2014 (E)

### **Foreword**

The text of ISO 8871-5:2005 has been prepared by Technical Committee ISO/TC 76 "Transfusion, infusion and injection, and blood processing equipment for medical and pharmaceutical use" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 8871-5:2014 by 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of an identical text or by endorsement, at the latest by January 2015, and conflicting national standards shall be withdrawn at the latest by January 2015.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.

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#### **Endorsement notice**

The text of ISO 8871-5:2005 has been approved by CEN as EN ISO 8871-5:2014 without any modification.

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**SIST EN ISO 8871-5:2014** 

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## INTERNATIONAL STANDARD

ISO 8871-5

First edition 2005-08-15

### Elastomeric parts for parenterals and for devices for pharmaceutical use —

Part 5:

Functional requirements and testing

Teh ST usage pharmaceutique — L

SPartie 5: Exigences fonctionnelles et essais



#### ISO 8871-5:2005(E)

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Cont	ents	Page
	ord	
Introdu	uction	
1	Scope	
2	Normative references	
3	Terms and definitions	1
4	Requirements	2
5	Preparation of elastomeric closures for testing	
Annex	A (normative) Test for penetrability	4
Annex	B (normative) Test for fragmentation	5
Annex	C (normative) Test for self-sealing and container closure seal integrity test	7
Annex	D (normative) Test for container closure seal integrity	9
Bibliog	raphy	10
	iTeh STANDARD PREVIEW	
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ISO 8871-5:2005(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.

International Standards are drafted in accordance with the rules given in the ISO/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 8871-5 was prepared by Technical Committee ISO/TC 76, *Transfusion, infusion and injection equipment for medical and pharmaceutical use.* 

This first edition of ISO 8871-5, together with ISO 8871-1, ISO 8871-2, ISO 8871-3 and ISO 8871-4, cancels and replaces ISO 8871:1990 and its Amendment 1:1995, which have been technically revised.

ISO 8871 consists of the following parts, under the general title *Elastomeric parts for parenterals and for devices for pharmaceutical use*:

SIST EN ISO 8871-5:2014

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- Part 1: Extractables in aqueous autoclavates 2017e/sist-en-iso-8871-5-2014
- Part 2: Identification and characterization
- Part 3: Determination of released-particle count
- Part 4: Biological requirements and test methods
- Part 5: Functional requirements and testing

ISO 8871-5:2005(E)

### Introduction

Elastomeric or rubber closures for pharmaceutical use are used in combination with vials and many times in conjunction with piercing devices. There are three functional parameters which are important to the piercing process. These are: penetrability, fragmentation and self-sealing. The three functional tests described in this part of ISO 8871 can be used as a reference method for testing elastomeric closures that are pierced using injection needles made from metal. In addition, the container/closure seal integrity test can be used to verify the effectiveness of the sealing of a specific closure/vial combination.

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