

JAPANESE INDUSTRIAL STANDARD

Translated and Published by Japanese Standards Association

JIS T 3268:2024

(MTJAPAN/JSA)

Sterile, single-use intravascular catheters

ICS 11.040.25

Reference number: JIS T 3268: 2024 (E)

T 3268: 2024

Date of Establishment: 2012-03-01

Date of Revision: 2024-03-01

Date of Public Notice in Official Gazette: 2024-03-01

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Medical Equipment

JIS T 3268: 2024, First English edition published in 2025-05

Translated and published by: Japanese Standards Association Mita Avanti, 3-11-28, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents, the original JIS is to be the final authority.

© JSA 2025

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan HN

Contents

			Page	
Introd	luction ·····		·· 1	
1	Scope ·····	cope1		
2	-	rences ·····		
3	Terms and defin	nitions ·····	$\cdot \cdot 2$	
4	Configuration a	nd names of parts ·····	$\cdots 5$	
5				
5.1		d cleanliness ······		
5.2		lity		
5.3				
5.4		rce · · · · · · · · · · · · · · · · · · ·		
5.5		side hole of catheter ·····		
5.6		tance ·····		
5.7				
5.8		ance ·····		
5.9		asion catheter ·····		
5.10		r		
5.11				
5.12	_			
6		y		
7	-	nce ·····		
8				
8.1	Primary packag	ring ·····	·10	
8.2	Secondary pack	aging ·····	·10	
9	Marking ······		·10	
9.1	Primary packaging ······10			
9.2	Secondary pack	aging ·····	·11	
9.3	Use of graphic s	symbols ·····	·12	
Annex	x A (normative)	Method for determining peak tensile force · · · · · · · · · · · · · · · · · · ·	·13	
Annex	x B (normative)	Test method for corrosion resistance ······	·15	
Annex	x C (normative)	Airtightness of catheter · · · · · · · · · · · · · · · · · · ·	·16	
Annex	x D (normative)	Pressure resistance of general catheter · · · · · · · · · · · · · · · · · · ·	·17	
Annex	x E (normative)	Power injection test (only for products indicated for power injection)	·19	

T 3268: 2024

Annex F (normative)	Flowrate through catheter22			
Annex G (normative)	Determination of rated burst pressure (RBP)24			
Annex H (normative)	Balloon fatigue test for damage and leakage on inflation			
Annex I (normative)	Test for balloon deflation time ······27			
Annex J (normative)	Determination of balloon diameter to inflation pressure $\cdots 29$			
Bibliography ····································				
Annex JA (informative	e) Comparison table between JIS and corresponding			
	International Standards · · · · · 33			

Foreword

This Japanese Industrial Standard has been revised by the Minister of Health, Labour and Welfare through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Medical Technology Association of Japan (MTJAPAN)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (JIS T 3268: 2018), which has been technically revised.

This **JIS** document is protected by the Copyright Act.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, published patent application or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, published patent application or utility model rights.

Blank

Sterile, single-use intravascular catheters

JIS T 3268: 2024

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 10555-1**: 2013, Edition 2 and Amendment 1: 2017, and **ISO 10555-3**: 2013, Edition 2 and **ISO 10555-4**: 2013, Edition 2 with some modifications of the technical contents, reflecting the real conditions in Japan. The amendment(s) to the said International Standard(s) has been incorporated into this Standard.

The dotted underlines indicate additions to the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies sterile, single-use intravascular catheters (hereafter referred to as catheters) which are designed to be inserted or implanted into vessels (including AV shunts and vascular grafts) or to deliver medical devices to the chosen location. However, this Standard does not apply to catheters coated with biologically derived materials such as heparin and urokinase in order to maintain antithrombogenicity, catheters coated with antibacterial agent in order to render the catheters antimicrobial or hydratable intravascular catheters.

NOTE The International Standards corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 10555-1: 2013 Intravascular catheters — Sterile and single-use catheters — Part 1: General requirements + Amendment 1: 2017

ISO 10555-3: 2013 Intravascular catheters — Sterile and single-use catheters — Part 3: Central venous catheters

ISO 10555-4: 2013 Intravascular catheters — Sterile and single-use catheters — Part 4: Balloon dilatation catheters (overall evaluation: MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

However, **JIS T 3268**: 2018 remains valid for three years from the date of public notice of the revision of this Standard.

2 Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS T 0993-1 Biological evaluation of medical devices — Part 1: Evaluation and