

Translated and Published by Japanese Standards Association

JIS T 3211-4:2019

(MTJAPAN/JSA)

Sterile infusion administration set — Part 4: Sterile infusion sets for single use, gravity feed

ICS 11.040.20 Reference number : JIS T 3211-4 : 2019 (E)

Date of Establishment: 2019-03-01

Date of Public Notice in Official Gazette: 2019-03-01

Investigated by: Japanese Industrial Standards Committee Standards Board for ISO area

Technical Committee on Medical Equipment

JIS T 3211-4 : 2019, First English edition published in 2019-12

Translated and published by: Japanese Standards Association Mita MT Building, 3-13-12, 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 2019

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

KK/HN

Contents

Page

Introduction		
1	Scope	
2	Normative references ······1	
2A	Terms and definitions	
3	General requirements ······4	
4	Designation (excluded in this Standard)7	
5	Materials ······7	
6 6.1	Physical requirements ······7 Particulate contamination ·····7	
6.2	Leakage ······7	
6.3	Tensile strength 7	
6.4	Closure-piercing device	
6.5 6.6	Air-inlet device	
$\begin{array}{c} 6.6 \\ 6.7 \end{array}$	Fluid filter	
6.8	Drip chamber and drip tube	
6.9	Flow regulator	
6.10	Flow rate of infusion fluid (excluded in this Standard)9	
6.11	Injection site ······9	
6.12	Male conical fitting9	
6.13	Protective caps ······9	
7	Chemical requirements ·····9	
7.1	Eluting material	
8	Biological requirements ·····11	
8.1	General ·····11	
8.2	Sterility	
8.3	Pyrogenicity 11 Haemolysis 11	
8.4 8.5	Toxicity	
9	Labelling 11	
9.1	General ······11 Unit container ·····12	
9.2 9.3	Shelf or multi-unit container 12	
10	Packaging ······13	
10.1	Unit container 13	

T 3211-4 : 2019

10.2 Shelf or multi-u	nit container ·····13
Annex A (normative)	Physical tests ······14
Annex B (normative)	Chemical tests
Annex C (normative)	Biological tests ······19
Annex JA (informative	e) Comparison table between JIS and corresponding International Standard20

Foreword

This Japanese Industrial Standard has been established by the Minister of Health, Labour and Welfare through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Medical Technology Association of Japan (MTJAPAN)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

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

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

JIS T 3211 series consists of the following 7 parts under the general title *Sterile infusion administration set*:

Part 4 : Sterile infusion sets for single use, gravity feed

Part 5 : Sterile burette infusion sets for single use

Part 8 : Sterile infusion sets for single use with pressure infusion apparatus

Part 9: Sterile fluid lines for single use

Part 10: Sterile accessories for fluid lines for single use

Part 11 : Sterile infusion filters for single use

Part 12: Sterile check valves for single use

Blank

Sterile infusion administration set — Part 4 : Sterile infusion sets for single use, gravity feed

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 8536-4** : 2010, Edition 5 and Amendment 1 : 2013 with some modifications of the technical contents to reflect the actual situation in Japan. The amendment to the said International Standard has been compiled in this Standard.

The vertical lines on both sides of the text and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies requirements for single use, gravity feed sterile infusion sets for medical use (hereafter referred to as infusion sets).

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

ISO 8536-4: 2010 Infusion equipment for medical use — Part 4 : Infusion sets for single use, gravity feed and Amendment 1 : 2013 (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**.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. For standards with the year indication, only the editions of the indicated year shall be applied and the revisions (including amendments) made thereafter shall not be applied. For those without the indication of the year, the most recent edition (including amendments) shall be applied.

JIS T 0993-1 : 2012	Biological evaluation of medical devices — Part 1 : Evaluation
	and testing within a risk management process

NOTE Corresponding International Standard : ISO 10993-1 Biological evaluation of medical devices — Part 1 : Evaluation and testing within a risk management process (MOD)

JIS T 3209 Sterile injection needles

- NOTE Corresponding International Standard : ISO 7864 Sterile hypodermic needles for single use (MOD)
- ISO 3696 Water for analytical laboratory use Specification and test methods

PROTECTED BY COPYRIGHT