

BS EN ISO 8536-4:2013+A1:2013



BSI Standards Publication

Infusion equipment for medical use

Part 4: Infusion sets for single use,
gravity feed

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National foreword

This British Standard is the UK implementation of EN ISO 8536-4:2013+A1:2013. It is identical to ISO 8536-4:2010, incorporating amendment 1:2013. It supersedes BS EN ISO 8536-4:2013, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to ISO text carry the number of the ISO amendment. For example, text altered by ISO amendment 1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee CH/212, IVDs.

A list of organizations represented on this committee can be obtained on request to its secretary.

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31 August 2013	Implementation of ISO amendment 1:2013 with CEN endorsement A1:2013.

English Version

Infusion equipment for medical use - Part 4: Infusion sets for
single use, gravity feed (ISO 8536-4:2010)

Matériel de perfusion à usage médical - Partie 4: Appareils
de perfusion non réutilisables, à alimentation par gravité
(ISO 8536-4:2010)

Infusionsgeräte zur medizinischen Verwendung - Teil 4:
Infusionsgeräte für Schwerkraftinfusionen zur einmaligen
Verwendung (ISO 8536-4:2010)

This European Standard was approved by CEN on 14 September 2010.

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Foreword

The text of ISO 8536-4:2010 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 8536-4:2013 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of an identical text or by endorsement, at the latest by August 2013, and conflicting national standards shall be withdrawn at the latest by August 2013.

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Endorsement notice

The text of ISO 8536-4:2010 has been approved by CEN as EN ISO 8536-4:2013 without any modification.

Foreword to amendment A1

This document (EN ISO 8536-4:2013/A1:2013) 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.

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Endorsement notice

The text of ISO 8536-4:2010/Amd 1:2013 has been approved by CEN as EN ISO 8536-4:2013/A1:2013 without any modification.

Annex ZA (informative)

Relationship between this European Standard and the Essential Requirements of EU Directive 93/42/EEC

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association to provide a means of conforming to Essential Requirements of the New Approach Directive 93/42/EEC, Medical devices.

Once this standard is cited in the Official Journal of the European Union under that Directive and has been implemented as a national standard in at least one Member State, compliance with the clauses of this standard given in Table ZA.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

Table ZA.1 — Correspondence between this European Standard and Directive 93/42/EEC, Medical devices

Clause(s)/sub-clause(s) of this EN	Essential Requirements (ERs) of Directive 93/42/EEC	Qualifying remarks/Notes
6.1, 6.7, 8.3, 8.4, 8.5	7.2	
8.1	7.5	Presumption of conformity with the Essential Requirements relating to the biological evaluation can only be provided if the manufacturer chooses to apply the EN ISO 10993 series standards
6.2, 6.4, 6.5	7.6	
6.11, 6.13	8	
3.2	8.1	
10	8.3	
8.2	8.4	
6.3, 6.12	9.1	
6.9, 6.10	10	
6.3	12.7.1	
6.6, 6.8, 6.9, 6.10	12.8	
9	13	The part of ER 13.3 a) relating to the authorized representative is not addressed. ERs 13.3 f) and 13.6 h) relating to single-use are not fully addressed. ER 13.6 q) is not addressed.
4	13.3	

WARNING: Other requirements and other EU Directives may be applicable to the products falling within the scope of this standard.

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Infusion equipment for medical use —

Part 4: Infusion sets for single use, gravity feed

1 Scope

This part of ISO 8536 specifies requirements for single use, gravity feed infusion sets for medical use in order to ensure their compatibility with containers for infusion solutions and intravenous equipment.

Secondary aims of this part of ISO 8536 are to provide guidance on specifications relating to the quality and performance of materials used in infusion sets and to present designations for infusion set components.

In some countries, the national pharmacopoeia or other national regulations are legally binding and take precedence over this part of ISO 8536.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 594-1, *Conical fittings with a 6 % (Luer) taper for syringes, needles and certain other medical equipment — Part 1: General requirements*

ISO 594-2, *Conical fittings with 6 % (Luer) taper for syringes, needles and certain other medical equipment — Part 2: Lock fittings*

ISO 3696, *Water for analytical laboratory use — Specification and test methods*

ISO 7864, *Sterile hypodermic needles for single use*

ISO 14644-1, *Cleanrooms and associated controlled environments — Part 1: Classification of air cleanliness¹⁾*

ISO 15223-1, *Medical devices — Symbols to be used with medical device labels, labelling and information to be supplied — Part 1: General requirements²⁾*

3 General requirements

3.1 The nomenclature to be used for components of infusion sets and of a separate air-inlet device is given in Figures 1, 2 and 3. These figures illustrate examples of the configuration of infusion sets and air-inlet devices; other configurations may be used provided they lead to the same results. Infusion sets as illustrated in Figure 2 should only be used for collapsible plastic containers. Infusion sets as illustrated in Figure 2 used

1) Under preparation. (Revision of ISO 14644-1:1999)

2) To be published. (Revision of ISO 15223-1:2007)