INTERNATIONAL STANDARD

ISO 16672

Second edition 2015-08-01

Opend. Implants op.

Implants ophtalmiques — Produits de tamponnement endoculaires





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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 172, *Optics and photonics*, Subcommittee SC 7, *Ophthalmic optics and instruments*.

This second edition cancels and replaces the first edition (ISO 16672:2003), which has been technically revised.

Ophthalmic implants — Ocular endotamponades

1 Scope

This International Standard applies to ocular endotamponades (OE), a group of non-solid implants used in ophthalmology to flatten and position a detached retina onto the choroid, or to tamponade the retina.

With regard to the safety and efficacy of OE, this International Standard specifies requirements for their intended performance, design attributes, pre-clinical and clinical evaluation, sterilization, product packaging, product labelling and the information supplied by the manufacturer.

2 Normative references

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

ISO 10993-1:2009, Biological evaluation of medical devices — Part 1: Evaluation and testing within a risk management process

ISO 10993-2:2006, Biological evaluation of medical devices — Part 2: Animal welfare requirements

ISO 10993-6:2007, Biological evaluation of medical devices — Part 6: Tests for local effects after implantation

ISO 11135-1:2007, Sterilization of health care products — Ethylene oxide — Part 1: Requirements for development, validation and routine control of a sterilization process for medical devices

 $ISO\ 11137-1:2006 + Amd. 1:2013, Sterilization\ of\ health\ care\ products --- Radiation\ --- Part\ 1:\ Requirements\ for\ development,\ validation\ and\ routine\ control\ of\ a\ sterilization\ process\ for\ medical\ devices$

ISO 11607-1:2006, Packaging for terminally sterilized medical devices — Part 1: Requirements for materials, sterile barrier systems and packaging systems

ISO 13408-1:2008 + Amd.1:2013, Aseptic processing of health care products — Part 1: General requirements

ISO 14155:2011, Clinical investigation of medical devices for human subjects — Good clinical practice

ISO 14630:2012, Non-active surgical implants — General requirements

ISO 14971:2007, Medical devices — Application of risk management to medical devices

ISO 15223-1:2012, Medical devices — Symbols to be used with medical device labels, labelling and information to be supplied — Part 1: General requirements

ISO 17665-1:2006, Sterilization of health care products — Moist heat — Part 1: Requirements for the development, validation and routine control of a sterilization process for medical devices

ISO 20857:2010, Sterilization of health care products — Dry heat — Requirements for the development, validation and routine control of a sterilization process for medical devices

EN 1041:2008 + A1:2013, Information supplied by the manufacturer of medical devices

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.