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**Ophthalmic implants — Intraocular  
lenses —**

**Part 1:  
Vocabulary**

*Implants ophtalmiques — Lentilles intraoculaires —*

*Partie 1: Vocabulaire*

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Published in Switzerland

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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](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 7, *Ophthalmic optics and instruments*.

This fourth edition cancels and replaces the third edition (ISO 11979-1:2012), which has been technically revised.

A list of all parts in the ISO 11979 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

# Ophthalmic implants — Intraocular lenses —

## Part 1: Vocabulary

### 1 Scope

This document defines terms applicable to intraocular lenses, and to the methods used to evaluate them.

NOTE Terms are listed in the alphabetical order of the English terms in the English version of this document.

### 2 Normative references

No normative references are given in this document.

### 3 Terms, definitions and abbreviated terms

#### 3.1 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

##### 3.1.1 accelerated shelf-life study

stability study designed to increase the rate of chemical or physical degradation of a product by using exaggerated storage conditions (e.g. temperature, humidity) to determine kinetic degradation parameters to predict the tentative expiration dating period

##### 3.1.2

##### accommodating intraocular lens

##### AIOL

intraocular lens which provides continuous focusing from far point to near point by changing the dioptric power of the eye

##### 3.1.3

##### accommodative amplitude

difference in refractive power between the near point and the far point of the eye

##### 3.1.4

##### additional wrapping

container used in addition to the primary packaging and which could be used to maintain sterility of the intraocular lens

##### 3.1.5

##### addition power

difference between the distance power and the near power of the lens portion, measured under specified conditions

**3.1.6**

**anterior chamber lens**

**anterior chamber intraocular lens**

intraocular lens designed to be placed entirely in the anterior chamber of the eye

**3.1.7**

**aspheric intraocular lens**

intraocular lens having at least one surface with a monotonically continuously variable curvature from the vertex to the periphery

**3.1.8**

**axis mark**

indicator of the meridian of lowest optical power

**3.1.9**

**base power**

**distance power**

**far power**

power that is intended to provide an in-focus image of an object at far (infinite)

**3.1.10**

**best-case subject**

subject with no pre-operative ocular pathology, no macular degeneration detected at any time, and no previous surgery for the correction of refractive errors

**3.1.11**

**body**

central part of an intraocular lens incorporating the optic

Note 1 to entry: See [Figure 1](#).

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