



**International  
Standard**

**ISO 11979-1**

**Ophthalmic implants — Intraocular  
lenses —**

**Part 1:  
Vocabulary**

*Implants ophtalmiques — Lentilles intraoculaires —  
Partie 1: Vocabulaire*

**Fifth edition  
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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 document 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)).

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This document was prepared by Technical Committee ISO/TC 172, *Optics and photonics*, Subcommittee SC 7, *Ophthalmic optics and instruments*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 170, *Ophthalmic optics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fifth edition cancels and replaces the fourth edition (ISO 11979-1:2018), which has been technically revised.

The main changes are as follows:

- definitions of non-accommodative posterior chamber “simultaneous vision” (SVIOL) lenses that include the subtypes of MIOL (multifocal), EDF (extended depth of focus) and FVR (full visual range) IOLs have been added;
- definitions of properties related to SVIOLs have been added.

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 contains definitions of terms related to intraocular lenses as well as definitions related to the methods used to evaluate these IOLs.

NOTE The terms are listed in the alphabetical order of the English terms.

### 2 Normative references

There are no normative references in this document.

### 3 Terms and definitions

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

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

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

#### 3.1

##### **accelerated shelf-life study**

study to establish an initial expiration dating period by using exaggerated storage conditions by increased temperature to be validated by real time study

#### 3.2

##### **accommodating intraocular lens**

##### **AIOL**

IOL providing focusing from far point to near point by changing the dioptric power of the eye

#### 3.3

##### **accommodative amplitude**

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

#### 3.4

##### **addition power**

difference between the far power and the near power

#### 3.5

##### **additional wrapping**

protective packaging used in addition to the primary packaging which can be used to maintain sterility of the intraocular lens

#### 3.6

##### **anterior chamber lens**

IOL designed to be placed entirely in the anterior chamber of the eye