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Intraocular Lenses
Manufacturer

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Cristalens

Cristalens

INTRAOCULAR LENSES MANUFACTURER

Cataract & Refractive surgery

Made in France






Table of Contents

HYDROPHOBIC MONOFOCAL

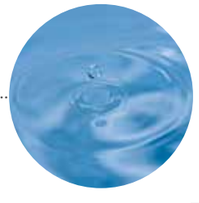
HYDROPHOBIC PREMIUMS

HYDROPHILIC

PIGGY BACK

VETERINARY

VISCOELASTIC



Cristalens

INTRAOCULAR LENSES MANUFACTURER
FOR CATARACT AND REFRACTIVE SURGERY

– MADE IN FRANCE –

WHO ARE WE ?

Founded in 1994, CRISTALENS was initially a distributor of medical devices for cataract surgery.
In 2006, the company created its own production unit of hydrophilic and hydrophobic intraocular lenses.
In 2008, Cristalens developed a new hydrophobic raw material (phenoxy ethyl acrylate) that allows less than 1.8 mm micro incisions.
In 2013, Cristalens received the Industrial Innovation Prize with this invention.

By choosing CRISTALENS
you are collaborating with a laboratory that has a complete control of its production: from raw material production to packaging, with three key words and core values:

Continuous Innovation **Quality** **Reliability**

TIRELESS CONTINUOUS INNOVATION AS KEY FACTOR OF SUCCESS

CRISTALENS received in 2013 the Research and Innovation Prize for the creation of its new hydrophobic material associated with its revolutionary monofocal and toric micro-incisions lenses.

Through a tireless continuous improvement, CRISTALENS strives to provide its clients with the best and most advanced products of the industry. Thanks to a close collaboration with the best French universities and to its highly qualified employees, CRISTALENS is at the cutting edge of technological innovation.

A TOTAL DEDICATION TO QUALITY

CRISTALENS makes every effort to ensure optimum protection for the patient. CRISTALENS only works with ISO-certified suppliers that are respected in the ophthalmic industry.

Its production unit offers clean rooms which are more efficient than standards requirements.CRISTALENS is ISO 9001 certified 2008 version, and NF EN ISO 13485, 2003 version. All our intraocular lenses are CE 0459.

From the beginning, CRISTALENS has made the choice to control its entire production line from manufacturing its own hydrophobic material to packaging the final product. We use only latest-generation equipment connected to automation systems. Every implant coming out of our production line is verified by quality specialists to ensure that our high standards are respected and provide maximum security for the patient.

A RELIABILITY BUILT ON EXPERIENCE

With over 20 years of experience, CRISTALENS has a clear understanding of the needs and expectations of the industry.

We have always taken pride of our values and being there for our client is one of them. Thanks to our core values, CRISTALENS is one of the most dependable IOL manufacturer in the industry.

LUXIOL®

Hydrophobic Acrylic PRELOADED

Micro incision

Monofocal

Aspheric

Reference: LUXIOL 60 PL

TECHNICAL SPECIFICATIONS

DESIGNATION	TECHNICAL SPECIFICATIONS
Lens type	For implantation in the capsular bag
Optic diameter	6.00 mm (from +10.0D to +25.0D) 5.80 mm (from +25.5D to +35.0D)
Overall diameter	12.75 mm
Design	One piece square edge on 360°
Optic design	Aspherical on the posterior surface Compensation of corneal aberrations, biconvex
Angulation	5°
Material	Hydrophobic acrylic for micro-incision
Dioptric powers	From +10.0D to +35.0D by O.5D
Estimated A-Constant (SRK-T)	119.3 Ultrasound biometry 119.7 Interference laser biometry
Suggested Anterior Chamber Depth (ACD)	5.77 mm Ultrasound biometry 6.03 mm Interference laser biometry
Refractive index	1.54
Sterilization	Ethylene oxide
Recommended incision size	< 2.2 mm

MADE IN FRANCE

CE marked

ARTIS® MONOFOCAL

Hydrophobic Acrylic PRELOADED

Micro incision

Monofocal

Aspheric

Reference: ARTIS PL *E*
Reference (yellow): ARTIS Y PL

TECHNICAL SPECIFICATIONS

DESIGNATION	TECHNICAL SPECIFICATIONS
Lens type	For implantation in the capsular bag
Optic diameter	6.15 mm (from 0.0D to +9.5D) 6.00 mm (from +10.0D to +25.0D) 5.80 mm (from +25.5D to +35.0D)
Overall diameter	11.00 mm (from 0.0D to +9.5D) 10.79 mm (from +10.0D to +25.0D) 10.50 mm (from +25.5D to +35.0D)
Design	One piece square edge on 360°
Optic design	Aspherical on the posterior surface Compensation of corneal aberrations
Angulation	5°
Material	Hydrophobic acrylic for micro-incision
Dioptric powers	From 0.0D to +35.0D by 0.5D
Estimated A-Constant (SRK-T)	119.3 Ultrasound biometry 119.7 Interference laser biometry
Suggested Anterior Chamber Depth (ACD)	5.77 mm Ultrasound biometry 6.03 mm Interference laser biometry
Refractive index	1.54
Sterilization	Ethylene oxide
Recommended incision size	< 2.0 mm

MADE IN FRANCE
CE marked

ARTIS® TORIC

Hydrophobic Acrylic PRELOADED

Micro incision

Monofocal

Toric aspheric

Reference: ARTIS T PL *E*

TECHNICAL SPECIFICATIONS

DESIGNATION	TECHNICAL SPECIFICATIONS
Lens type	For implantation in the capsular bag
Optic diameter	6.00 mm (from +10.0D to +25.0D) 5.80 mm (from +25.5D to +35.0D)
Overall diameter	10.79 mm (from +10.0D to +25.0D) 10.50 mm (from +25.5D to +35.0D)
Design	One piece square edge on 360°
Optic design	Aspherical on the anterior surface Toric on the posterior surface, biconvex
Angulation	5°
Material	Hydrophobic acrylic for micro-incision
Dioptric powers (spherical equivalent)	From +10.0D to +35.0D by 0.5D
Cylinder powers	+0.75D / +1.50D / +2.25D / +3.00D +3.75D / +4.50D / +5.25D / +6.00D
Estimated A-Constant (SRK-T)	119.3 Ultrasound biometry 119.7 Interference laser biometry
Suggested Anterior Chamber Depth (ACD)	5.77 mm Ultrasound biometry 6.03 mm Interference laser biometry
Refractive index	1.54
Sterilization	Ethylene oxide
Recommended incision size	< 2.0 mm

MADE IN FRANCE

CE marked

▶ Toric calculator available on our website www.cristalens.fr

ARTIS® MULTIFOCAL

Hydrophobic Acrylic PRELOADED

Micro incision

Multifocal

Aspheric

Reference: ARTIS PL M

TECHNICAL SPECIFICATIONS

DESIGNATION	TECHNICAL SPECIFICATIONS
Lens type	For implantation in the capsular bag
Optic diameter	6.00 mm (from +10.0D to +25.0D) 5.80 mm (from +25.5D to +35.0D)
Overall diameter	10.79 mm (from +10.0D to +25.0D) 10.50 mm (from +25.5D to +35.0D)
Design	One piece square edge on 360°
Optic design	Aspherical (compensation of corneal aberrations) Multifocal on the anterior surface, biconvex
Angulation	5°
Material	Hydrophobic acrylic for micro-incision
Dioptric powers	From +10.0D to +35.0D by 0.5D
Addition (at IOL plane)	Standard: +3.00D On request: from +2.00D to +3.50D
Estimated A-Constant (SRK-T)	119.3 Ultrasound biometry 119.7 Interference laser biometry
Suggested Anterior Chamber Depth (ACD)	5.77 mm Ultrasound biometry 6.03 mm Interference laser biometry
Refractive index	1.54
Sterilization	Ethylene oxide
Recommended incision size	< 2.0 mm

MADE IN FRANCE

CE marked

CLARE®

Hydrophilic Acrylic

Micro incision

Monofocal

Aspheric

Reference: CLARE

TECHNICAL SPECIFICATIONS

DESIGNATION	TECHNICAL SPECIFICATIONS
Lens type	For implantation in the capsular bag
Optic diameter	6.00 mm (from +10.0D to +24.5D) 5.70 mm (from +25.0D to +30.0D)
Overall diameter	11.00 mm (from +10.0D to +14.5D) 10.75 mm (from +15.0D to +24.5D) 10.50 mm (from +25.0D to +30.0D)
Design	One piece square edge on 360°
Optic design	Aspheric on the posterior surface Compensation of corneal aberration, biconvex
Angulation	8°
Material	25 % hydrophilic acrylic
Dioptric powers	From +10.0D to +30.0D by 0.5D
Estimated A-Constant (SRK-T)	118.0 Ultrasound biometry 118.5 Interference laser biometry
Suggested Anterior Chamber Depth (ACD)	4.96 mm Ultrasound biometry 5.25 mm Interference laser biometry
Refractive index	1.46
Sterilization	Steam
Recommended incision size	1.8 mm

MADE IN FRANCE

CE marked

LUCIS®

Hydrophilic Acrylic

Mini incision 2.2 mm

Monofocal

Reference: LUCIS

TECHNICAL SPECIFICATIONS

DESIGNATION	TECHNICAL SPECIFICATIONS
Lens type	For implantation in the capsular bag
Optic diameter	6.00 mm
Overall diameter	11.00 mm (from −9.0D to +9.5D) 10.50 mm (from +10.0D to +30.0D)
Design	One piece
Angulation	10°
Material	25 % hydrophilic acrylic
Dioptric powers	From −9.0D to +30.0D by 0.5D
Estimated A-Constant (SRK-T)	118.0 Ultrasound biometry 118.5 Interference laser biometry
Suggested Anterior Chamber Depth (ACD)	4.96 mm Ultrasound biometry 5.25 mm Interference laser biometry
Refractive index	1.46
Sterilization	Steam
Recommended incision size	2.2 mm

MADE IN FRANCE

CE marked

CRISTAL®

Hydrophilic Acrylic

Mini incision 2.2 mm

Monofocal

Aspheric

Reference: CRISTAL

TECHNICAL SPECIFICATIONS

DESIGNATION	TECHNICAL SPECIFICATIONS
Lens type	For implantation in the capsular bag
Optic diameter	6.00 mm
Overall diameter	13.00 mm
Design	One piece square edge on 360°
Optic design	Aspheric on the posterior surface Compensation of corneal aberration, biconvex
Angulation	10°
Material	25 % hydrophilic acrylic
Dioptric powers	From +10.0D to +30.0D by 0.5D
Estimated A-Constant (SRK-T)	118.0 Ultrasound biometry 118.5 Interference laser biometry
Suggested Anterior Chamber Depth (ACD)	4.96 mm Ultrasound biometry 5.25 mm Interference laser biometry
Refractive index	1.46
Sterilization	Steam
Recommended incision size	2.2 mm

MADE IN FRANCE

CE marked

REVERSO® MONOFOCAL

Hydrophilic Acrylic

Correction of a potential refractive error in pseudophakic patients

Micro incision

Monofocal

Reference: REVERSO

TECHNICAL SPECIFICATIONS

DESIGNATION	TECHNICAL SPECIFICATIONS
Lens type	For implantation into the ciliary sulcus, in pseudophakic patients
Optic diameter	6.50 mm
Overall diameter	13.80 mm
Design	One piece round edge on 360°
Optic design	Spherical, convex anterior surface Concave posterior surface
Angulation	10°
Material	25% hydrophilic acrylic
Dioptric powers	On request: from –6.0D to +6.0D by 0.5D
Refractive index	1.46
Sterilization	Steam
Recommended incision size	< 2.0 mm

MADE IN FRANCE

CE marked

REVERSO® MULTIFOCAL

Hydrophilic Acrylic

Correction of presbyopia in pseudophakic patients

Micro incision

Multifocal

Reference: REVERSO

TECHNICAL SPECIFICATIONS

DESIGNATION	TECHNICAL SPECIFICATIONS
Lens type	For implantation into the ciliary sulcus, in pseudophakic patients
Optic diameter	6.50 mm
Overall diameter	13.80 mm
Design	One piece round edge on 360°
Optic design	Spherical, convex anterior surface Diffractive multifocal concave posterior surface
Angulation	10°
Material	25% hydrophilic acrylic
Multifocal specifications	Light-distribution: 65% far - 35% near Steps apodisation: from Ø 3.0 mm to Ø 4.5 mm
Dioptric powers	From -3.0D to +3.0D by 0.5D
Addition (at IOL plane)	Standard: +3.00D On request: +1.50D / +2.00D / +2.50D / +3.50D
Refractive index	1.46
Sterilization	Steam
Recommended incision size	< 2.0 mm

MADE IN FRANCE

CE marked

LOKI®

Hydrophobic Acrylic PRELOADED

For veterinary use

Incision 3.0 mm

Reference: LOKI PL

TECHNICAL SPECIFICATIONS

DESIGNATION	TECHNICAL SPECIFICATIONS
Lens type	For implantation in dog capsular bag
Optic diameter	6.50 mm
Overall diameter	12.00 mm – 13.00 mm – 14.00 mm
Design	One piece
Optic design	Aspherical on the posterior surface Compensation of corneal aberrations, biconvex
Angulation	5°
Material	Hydrophobic acrylic
Dioptric power	+41.0D
Refractive index	1.54
Sterilization	Ethylene oxide
Recommended incision size	3.0 mm

MADE IN FRANCE

CRISTAVISC c®

Innovative Viscoelastic

With an average 170 Pa.s second zero shear viscosity, CRISTAVISC c® is ideally cohesive

DESCRIPTION	
Eur. Ph. Injectable quality hyaluronic acid for Intraocular use, from biofermentation origin	–
Each box contains	1 syringe – 1 x 27G 7/8" canula – 1 leaflet – 8 traceability labels
Glass syringe, Pharmaceutical grade, Class I, latex free, prefilled	At 1 ml
NaHa concentration	15.5 mg/g
Molecular weight of the hyaluronic acid in the final sterile product	2.2 MDa (mean value)
Phosphate Buffer pH 7.2	q.s. 1g
With natural antioxidant	Mannitol
Isoosmolarity	280 – 360 mOsm
pH	6.8 – 7.6
Viscosity at $0.01s^{-1}$ shear rate	170 Pa.s (170 000 cPoise) (mean value)
Apyrogen (free of endotoxins)	< 0.5 EU/g
Sterile (gel by autoclave – second packaging, blister by ETO)	SAL 10^{-6} (Sterility Assurance Level)
Proteins	< 20 ppm
Storage	2–25°C during 36 months, room temperature
Medical Device	Class IIb
Biocompatible according to	ISO 10993 and ISO 15798
System of quality management in conformity to	ISO 13485

INDICATIONS
Anterior segment surgery.
Protection of the corneal endothelium and maintenance of the intraocular space.

MADE IN FRANCE

CE marked

Produced by Vivacy laboratories