Сбалансированные солевые растворы BSS, офтальмологические вискохирургические устройства VISTHESIA, COMBIVISC, TWINVISC, Z-HYALIN, Z-CELCOAT, Z-HYALCOAT, BLUEMIXS, VISCOJECT, AT.Shooter, ACCUJECT, инжекторы, шприцы

Технические характеристики

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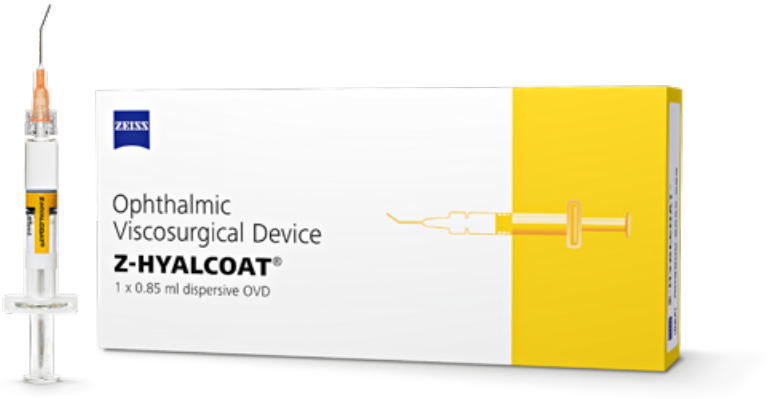
ZEISS Z-HYALCOAT
Technical Specifications (Non-EU version)

Seeing beyond

	Z-HYALCOAT®
Behavior	Medium-viscosity dispersive
Origin	Bacterial fermentation
Substance	Sodium Hyaluronate
Concentration I (%)	3.0
Concentration II (mg/ml)	30
Volume (ml)	0.85
CDI	18
Osmolality (mOsmol/kg)	300 – 360
Molecular weight (megadalton[1])	1.0
Pseudoplasticity	10
Zero-shear viscosity (Pa s[2])	47
Cannula	25 G
Storage temperature (°C)	2 – 8
Singlepack content: Multipack content:	1 × intracameral syringe, 1 × 25 G cannula 10 × intracameral syringes, 10 × 25 G cannulas

Z-HYALCOAT is latex and phthalate free, has a shelf life of 3 years and a pH range between 6.8 and 7.6.

[1] Megadalton = 1 million Dalton
[2] Pa s = 1000 mPa s



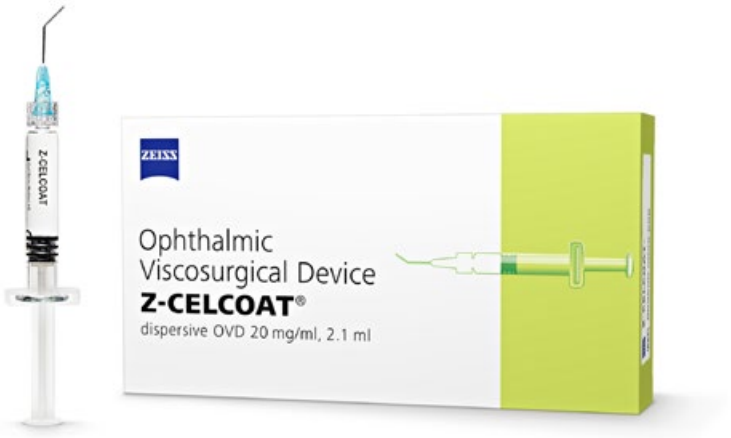
ZEISS Z-CELCOAT
Technical Specifications

Seeing beyond

	Z-CELCOAT®
Behavior	Low-viscosity dispersive
Origin	Botanical
Substance	Hydroxypropyl-methylcellulose
Concentration I (%)	2.0
Concentration II (mg/ml)	20.2
Volume (ml)	2.1
CDI	-
Osmolality (mOsmol/kg)	265 – 300
Molecular weight (megadalton)[1]	0.08
Pseudoplasticity	-
Zero-shear viscosity (Pa s)[2]	8
Cannula	23 G
Storage temperature (°C)	2 – 30
Single pack content: Multipack content:	1 × intracameral syringe, 1 × 23 G cannula 10 × intracameral syringes, 10 × 23 G cannulas

Z-CELCOAT is latex and phthalate free, has a shelf life of 3 years and a pH range between 6.8 and 7.6.

[1] 1 Megadalton = 1 million Dalton, of raw material
[2] 1 Pa s = 1000 mPa s



ZEISS TWINVISC
Technical Specifications

Seeing beyond

	First chamber: Dispersive	Second chamber: Cohesive
Behavior	Medium-viscosity dispersive	Viscous-cohesive
Origin	Bacterial fermentation	Bacterial fermentation
Substance	Sodium Hyaluronate	Sodium Hyaluronate
Concentration I (%)	2.2	1.0
Concentration II (mg/ml)	22	10
Volume (ml)	0.7	0.7
CDI	26	36
Osmolality (mOsmol/kg)	300 – 360	300 – 350
Molecular weight (megadalton[1])	1.0	2.1
Pseudoplasticity	8	18
Zero-shear viscosity (Pa s[2])	14	18
Cannula	25 G	25 G
Storage temperature (°C)	2 – 8	2 – 8
Content:	1 × two-chamber intracameral syringe, 1 × 25 G cannula	

TWINVISC® is latex and phthalate free, has a shelf life of 2 years and a pH range between 6.8 and 7.6.

[1] Megadalton = 1 million Dalton
[2] Pa s = 1000 mPa s

ZEISS Z-HYALIN
ZEISS Z-HYALIN plus
Technical Specifications

Seeing beyond

	Z-HYALIN®	Z-HYALIN® plus
Behavior	Viscous-cohesive	Viscous-cohesive
Origin	Bacterial fermentation	Bacterial fermentation
Substance	Sodium Hyaluronate	Sodium Hyaluronate
Concentration I (%)	1.0	1.5
Concentration II (mg/ml)	10	15
Volume (ml)	1.0	1.0
CDI	39	44
Osmolality (mOsmol/kg)	300 – 350	300 – 360
Molecular weight (megadalton[1])	2.9	2.9
Pseudoplasticity	75	133
Zero-shear viscosity (Pa s[2])	72	295
Cannula	27 G	27 G
Storage temperature (°C)	2 – 8	2 – 8
Singlepack content:	1 × intracameral syringe, 1 × 27 G cannula	1 × intracameral syringe, 1 × 27 G cannula
Multipack content:	10 × intracameral syringes, 10 × 27 G cannulas	10 × intracameral syringes, 10 × 27 G cannulas

Z-HYALIN and Z-HYALIN plus are latex and phthalate free, have a shelf life of 3 years and a pH range between 6.8 and 7.6.

[1] Megadalton = 1 million Dalton
[2] Pa s = 1000 mPa s

ZEISS VISTHESIA
ZEISS VISTHESIA intra
Technical Specifications

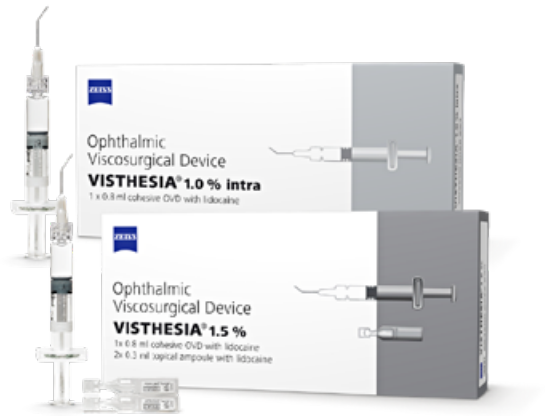
Seeing beyond

	VISTHESIA® 1.0 %[1]	VISTHESIA 1.5 %[1]
	VISTHESIA 1.0 % intra[2]	**VISTHESIA 1.5 % intra[2]**
Behavior	Viscous-cohesive	Viscous-cohesive
Origin	Bacterial fermentation	Bacterial fermentation
Substance concentration I (%)	1.0 Sodium Hyaluronate 1.0 Lidocaine Hydrochloride	1.5 Sodium Hyaluronate 1.0 Lidocaine Hydrochloride
Substance concentration II (mg/ml)	10 Sodium Hyaluronate 10 Lidocaine Hydrochloride	15 Sodium Hyaluronate 10 Lidocaine Hydrochloride
Volume (ml)	0.8	0.8
CDI	39	44
Osmolality (mOsmol/kg)	280–330	280–330
Molecular weight (megadalton[4])	2.9	2.9
Pseudoplasticity	75	133
Zero-shear viscosity (Pa s[5])	72	295
Storage temperature (°C)	2–8	2–8
Content VISTHESIA:	1 × intracameral syringe, 1 × 27 G cannula, 2 × topical ampules (see below)	1 × intracameral syringe, 1 × 27 G cannula, 2 × topical ampules (see below)
Content VISTHESIA intra:	1 × intracameral syringe, 1 × 27 G cannula	1 × intracameral syringe, 1 × 27 G cannula

	VISTHESIA topical ampule[3]
Substance concentration I (%)	2 × 0.3 Sodium Hyaluronate, 2.0 Lidocaine Hydrochloride
Substance concentration II (mg/ml)	2 × 3 Sodium Hyaluronate, 20 Lidocaine Hydrochloride
Volume (ml)	2 × 0.3
Osmolality (mOsmol/kg)	270–320
Molecular weight (megadalton[4])	2.9
Zero-shear viscosity (Pa s[5])	1
Storage temperature (°C)	2–8
Content:	2 × topical ampules

All OVDs are latex and phthalate free, have a shelf life of 3 years and a pH range between 6.8 and 7.6.

[1] VISTHESIA 1.0% and VISTHESIA 1.5% are not for sale in the UK or Portugal
[2] VISTHESIA intra version does not contain 2 topical ampules
[3] Not available individually; only available with VISTHESIA 1.0% or 1.5%
[4] Megadalton = 1 million Dalton
[5] Pa s = 1000 mPa s



ZEISS Injectors

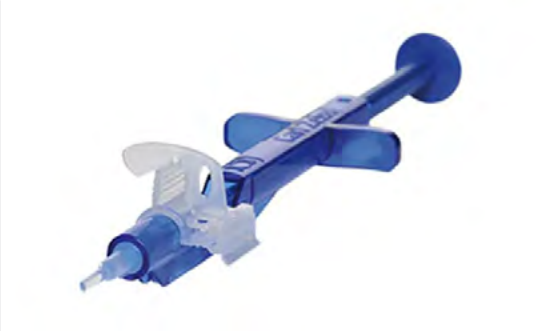
Reliable and easy to use

A selection of high-end injectors from ZEISS has been aligned with the requirements of our IOL portfolio. It provides a choice of different injector formats based on usability, diopter power and workflow preferences. Preloaded or fully preloaded options are available to optimize the surgical workflow and allow micro-incision surgery.

Preloaded Injector

Developed to optimize your cataract workflow

BLUEMIXS 180



1.8 mm incision

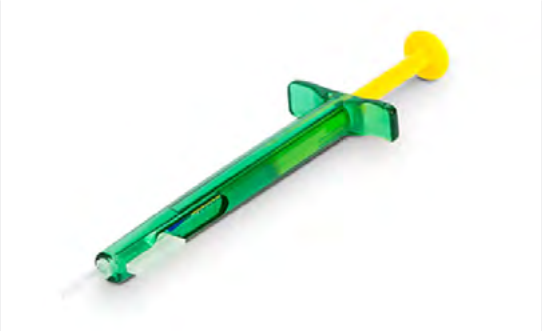
Compatible with:

- ZEISS AT LISA tri toric 949MP
- ZEISS AT LISA tri 839MP
- ZEISS AT LARA toric 929MP
- ZEISS AT LARA 829MP
- ZEISS AT TORBI 719MP
- ZEISS CT ASPHINA 409MP
- ZEISS CT ASPHINA 509MP

Single-Use Injector

For standard and micro-incision surgery

VISCOJECT – BIO 1.8 and 2.2



1.8 and 2.2 mm incision

Compatible with all non-preloaded models:

- ZEISS AT LISA tri toric 949M
- ZEISS AT LARA toric 929M
- ZEISS AT TORBI 719M
- ZEISS CT ASPHINA 409M
- ZEISS CT ASPHINA 509M
- ZEISS CT SPHERIS 209M

Reusable Injector

One to keep

AT.Shooter A1-2000

Used with: ■ AT.Smart Cartridge or VISCOJECT-BIO Cartridge Set

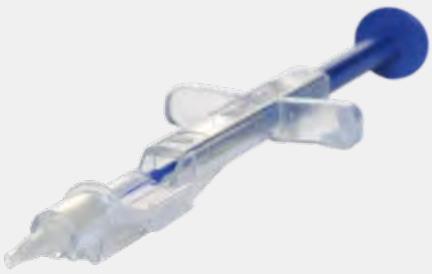
1.8 mm and 2.2 mm incision

Compatible with:

- ZEISS AT TORBI 719M
- ZEISS CT ASPHINA 409M
- ZEISS CT ASPHINA 509M
- ZEISS CT SPHERIS 209M

High-Diopter Injector

ACCUJECT™ 3.0-1P

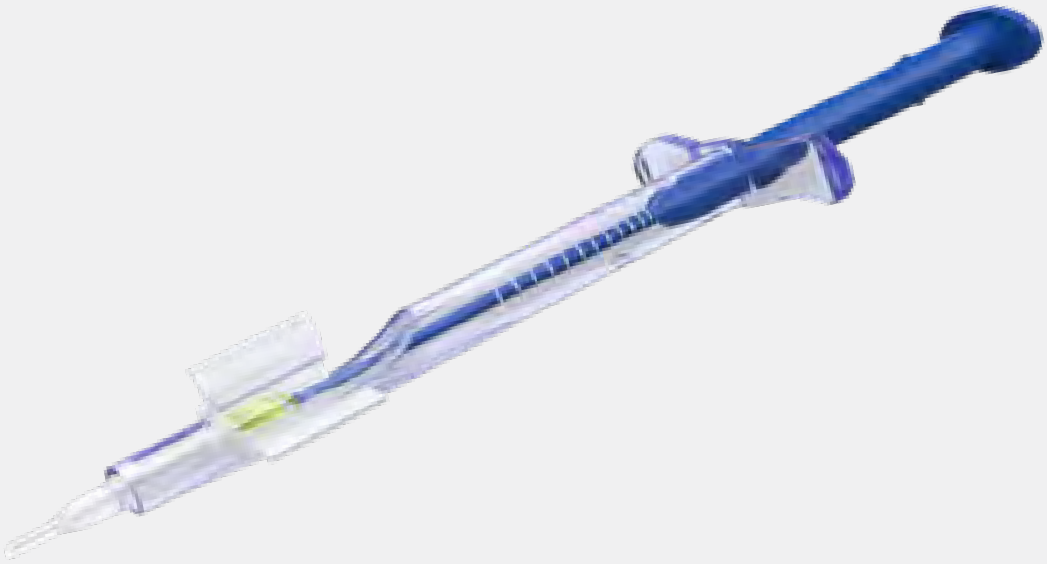


3.0 mm incision

Compatible with:

- ZEISS CT ASPHINA 404
- ZEISS CT SPHERIS 204

Fully preloaded injector system



Only available as fully preloaded injector system, not as stand-alone injector

ZEISS CT LUCIA 221P ZEISS CT LUCIA 621P/PY

ZEISS CT LUCIA

The patented asphericity concept of the ZEISS CT LUCIA mitigates against potential decentration issues and delivers confidently excellent visual outcomes. Provided in a new and improved fully preloaded injector for easy and intuitive cataract workflow. The architecture of the IOL offers very stable positioning in the capsular bag for consistent and excellent performance.

ZEISS OVD Portfolio

The power of choice at every step

	Overall comforters			Multitalents		
Product name	VISTHESIA 1.0%[1] VISTHESIA 1.5%[1]	VISTHESIA topical ampule[2]	VISTHESIA 1.0% intra[3] VISTHESIA 1.5% intra[3]	COMBIVISC		TWINVISC
						
Classification	Viscous-cohesive	n/a	Viscous-cohesive	Viscous-cohesive	Medium-viscosity dispersive	First chamber: Medium-viscosity dispersive Second chamber: Viscous-cohesive
Single pack content	1 × intracameral syringe 1 × 27 G cannula 2 × topical ampules	2 × topical ampules	1 × intracameral syringe 1 × 27 G cannula	1 × intracameral syringes 1 × 25 G cannula	1 × intracameral syringes 1 × 25 G cannula	1 × two-chamber intracameral syringe 1 × 25 G cannula
Multipack content	–	–	–	5 × intracameral syringes 5 × 25 G cannulas	5 × intracameral syringes 5 × 25 G cannulas	–
Volume (ml)	0.8	2 × 0.3	0.8	1.0	0.85	0.7
Origin	Bacterial fermentation	Bacterial fermentation	Bacterial fermentation	Bacterial fermentation	Bacterial fermentation	Bacterial fermentation
Substance	Sodium hyaluronate Lidocaine hydrochloride	Sodium hyaluronate Lidocaine hydrochloride	Sodium hyaluronate Lidocaine hydrochloride	Sodium hyaluronate	Sodium hyaluronate	Sodium hyaluronate
Storage temperature (°C)	2 to 8	2 to 8	2 to 8	2 to 8	2 to 8	2 to 8

* Only available in EMEA.

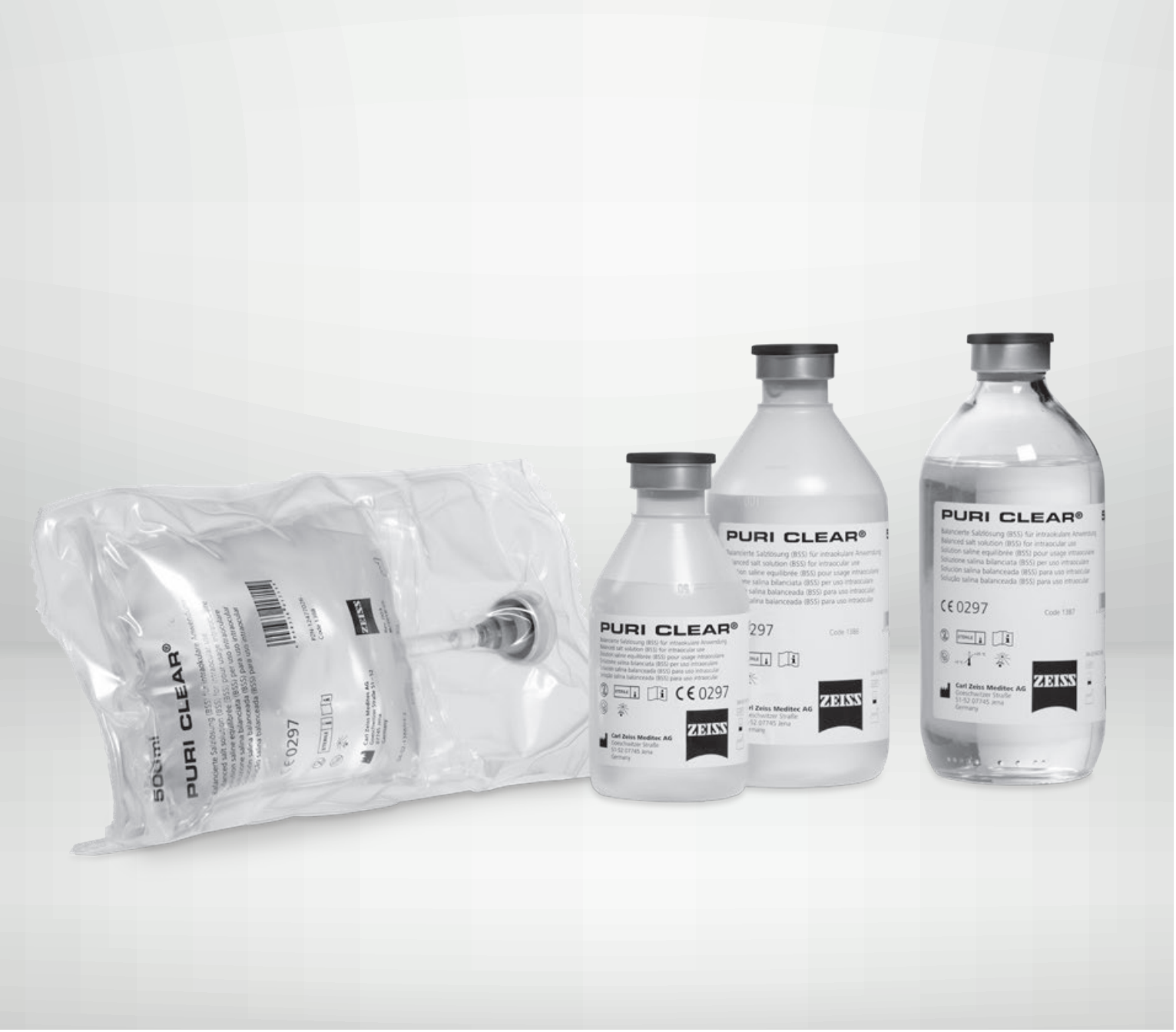
[1] VISTHESIA 1.0% and VISTHESIA 1.5% are not for sale in the UK or Portugal

[2] Not available individually; only available with VISTHESIA 1.0% or 1.5%

[3] VISTHESIA intra version does not contain 2 topical ampules

ZEISS provides a wide range of innovative ophthalmic viscosurgical devices that fully support the surgical workflow – giving you the choice to select the OVD that best matches each individual ophthalmic case.

	Space creators				Protecting layers	
Product name	Z-HYALIN	Z-HYALIN plus	Z-HYALON*	Z-HYALON plus*	Z-CELCOAT	Z-HYALCOAT
						
Classification	Viscous-cohesive	Viscous-cohesive	Viscous-cohesive	Super-viscous cohesive	Low-viscosity dispersive	Medium-viscosity dispersive
Single pack content	1 × intracameral syringe 1 × 27 G cannula	1 × intracameral syringe 1 × 27 G cannula	1 × intracameral syringe 1 × 27 G cannula	1 × intracameral syringe 1 × 27 G cannula	1 × intracameral syringe 1 × 23 G cannula	1 × intracameral syringe 1 × 25 G cannula
Multipack content	10 × intracameral syringes 10 × 27 G cannulas	10 × intracameral syringes 10 × 27 G cannulas	–	–	10 × intracameral syringes 10 × 23 G cannulas	10 × intracameral syringes 10 × 25 G cannulas
Volume (ml)	1.0	1.0	0.55 or 0.85	0.55 or 0.85	2.1	0.85
Origin	Bacterial fermentation	Bacterial fermentation	Rooster comb	Rooster comb	Botanical	Bacterial fermentation
Substance	Sodium hyaluronate	Sodium hyaluronate	Sodium hyaluronate	Sodium hyaluronate	Hydroxypropyl-methylcellulose	Sodium hyaluronate
Storage temperature (°C)	2 to 8	2 to 8	2 to 25	2 to 25	2 to 30	2 to 8

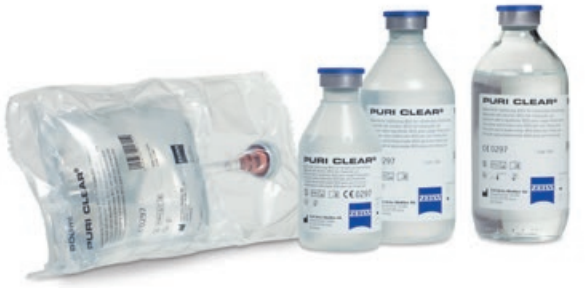


ZEISS PURI CLEAR
Balanced Salt Solution (BSS)

Technical Specifications

ZEISS PURI CLEAR

For intraocular use



	PURI CLEAR®	
Application	PURI CLEAR is indicated for the irrigation of the anterior chamber during cataract surgery and other intraocular procedures; ■ for the removal of alpha-chymotrypsin after enzymatic zonulolysis, ■ for the irrigation of the anterior chamber after anterior chamber hemorrhage, ■ for the irrigation of the cornea during strabotomy and other extraocular procedures, ■ for the irrigation of the conjunctiva following application of fluorescein, and ■ for moistening the corneal and conjunctival surface during laser treatment.	
Composition	■ Sodium chloride ■ Potassium chloride ■ Calcium chloride 2-hydrate ■ Sodium acetate 3-hydrate ■ Trisodium citrate 2-hydrate ■ Magnesium chloride 6-hydrate ■ in a sterile, isotonic and isosmotic solution The balanced salt solution and its primary packaging are free of latex, phthalates, animal tissues and conservatives.	
Physico-chemical data	Osmolality (mOsmol/kg): pH value: Refractive index n^D20:	295-315 6.8-7.6 1.3340-1.3360
Properties	Composition, pH, and osmolality of PURI CLEAR correspond to that of the aqueous humor. PURI CLEAR does not contain any active pharmaceutical ingredients.	
Package size	Box of:	■ 10 x 250 ml plastic bottle ■ 10 x 500 ml plastic bottle ■ 10 x 500 ml glass bottle ■ 10 x 500 ml infusion bag
Storage temperature (°C)	Plastic bottle: Glass bottle: Infusion bag:	no requirement 5-25 no requirement
Shelf life	Plastic bottle: Glass bottle: Infusion bag:	36 months 12 months 36 months

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