

Innovative Biomaterials for Retinal Surgery

Ultrapure fluids



made in Germany



Geuder®
Precision made in Germany

FLUORON®
Ein Unternehmen der Geuder Gruppe

Siluron[®]

Next generation of silicone oils
with innovative molecular design

Siluron[®] 1000

1000 mPas

ultrapurified silicone oil
for intraocular use (sterile)

FLUORON[®]

Siluron[®] 5000

5000 mPas

ultrapurified silicone oil
for intraocular use (sterile)

FLUORON[®]

Geuder[®]

Good long-term tolerability

Excellent chemical purity

Chemically and physiologically inert

Siluron[®] 1000

Easily injectable

Siluron[®] 5000

High resistance to emulsification

Packaging units



G-80720 Siluron[®] 1000 Syringe 10 ml, sterile

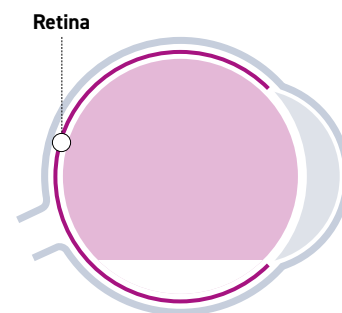
G-80820 Siluron[®] 5000 Syringe 10 ml, sterile

Fields of application

Siluron® silicone oils are used as long-term tamponades after operative treatment of severe retinal detachment, particularly for:

- Retinal detachments with giant tears
- Retinal detachments with proliferative vitreoretinopathy (PVR)
- Retinal detachments in cases of proliferative diabetic retinopathy (PDR)
- Traumatic retinal detachments

Due to their specific density of 0.97g/cm³ the Siluron® silicone oils float on water.

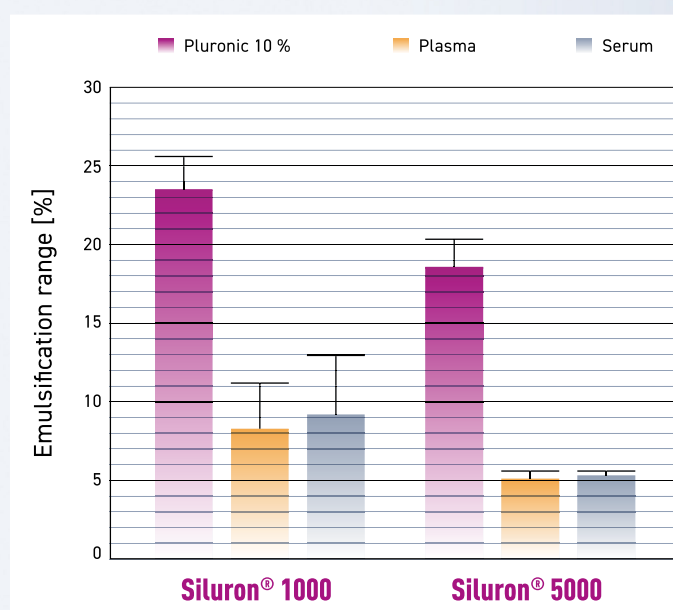


Physicochemical properties

Property	Siluron® 1000	Siluron® 5000
Density [g/cm ³] at 25° C	0.97	0.97
Viscosity [mPas] at 25° C	900 - 1200	4800 - 5500
Refractive index	1.404	1.404
Solubility in water	non miscible	non miscible
Composition [w %]	100 % Polydimethylsiloxane (PDMS)	100 % Polydimethylsiloxane (PDMS)
Volatile components (200° C, 24 h) [%]	≤ 0.2 %	≤ 0.2 %

Caramoy A., Hagedorn N., Fauser S., Kugler W., Gross T., Kirchhof B.: Development of emulsification-resistant silicone oils: can we go beyond 2000 mPas silicone oil? Invest Ophthalmol Vis Sci. 2011; 52: 5432-5436

Comparison of emulsification



Caramoy A., Hagedorn N., Fauser S., Kugler W., Gross T., Kirchhof B.: Development of emulsification-resistant silicone oils: can we go beyond 2000 mPas silicone oil? Invest Ophthalmol Vis Sci 2011; 52: 5432-5436

Fluoron

Purity and Variety Made in Germany



Fluoron GmbH, based in Ulm, Germany, was founded in 1996 by Prof. Dr. Hasso Meinert and is a sister company of Geuder AG, Heidelberg. With his intellectual property rights, Prof. Meinert laid the foundation for a successful development of the company and accompanied Fluoron GmbH over 10 years on scientific topics. The company is managed by Mr Volker Geuder.

Fluoron GmbH develops and manufactures ultrapure innovative biomaterials for retinal and cataract surgery. In

this field, Fluoron GmbH plays a worldwide leading role in providing ophthalmic surgeons with creative and efficient solutions and consolidated its international competitive position by acquiring extensive intellectual property rights. The company's competence focuses on the development, manufacture and regulatory approval of light and heavy tamponades for retinal surgery, perfluorohydrocarbons and semifluorinated alkanes as temporary tamponades, as well as dyes for anterior and posterior segment surgery.

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