

Innovative Biomaterials for Retinal Surgery

Ultrapure fluids



made in Germany



Geuder®
Precision made in Germany

FLUORON®
Ein Unternehmen der Geuder Gruppe

F-Decalin

Ultrapure
for intraoperative tamponades



Gentle retinal unfolding and stabilization

Drainage of subretinal fluids

Refloating luxated lenses

Short-term tamponade

Outstanding stability
and biocompatibility

Ready-to-use syringes

Highly purified

Packaging units

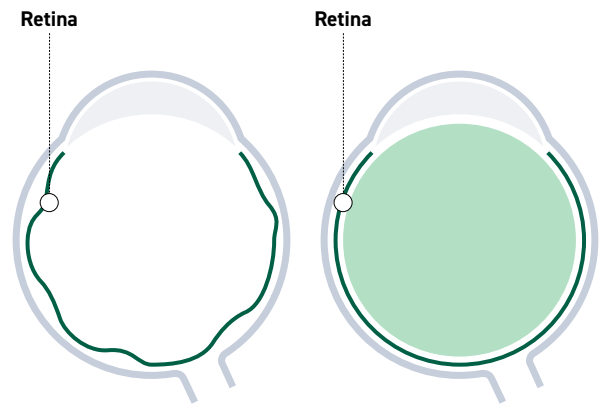


Syringe 7 ml

G-80117

Field of application

F-Decalin is used as medical adjuvants for gentle retinal unfoldings, giant tears, traumata, laser coagulation as well as cryotherapy. Furthermore, it is used for refloating luxated lenses and as short-term tamponades.



Composition and properties

F-Decalin is sterile fluorocarbon compounds with high density (1.76 g/cm³ and 1.93 g/cm³). it only consist of C-C and C-F bonds and do not contain any relevant amounts of biologically active components. Due to the exceptional strength of the C-F bonds, F-Decalin is chemically and physiologically inert and absolutely non-toxic.

	F-Decalin
Density [g/cm ³] at 25° C	1.93
Vapor pressure [mbar] at 25° C	8.0
Refractive index at 20° C	1.3110
Surface tension [mN/m] at 25° C	19.0
Interface tension [mN/m] at 25° C	57.8
Composition	completely fluorinated perfluorodecalin (PFD)
Cytotoxicity according to ISO 10993-5	not cytotoxic

References

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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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