

Innovative Biomaterials for Retinal Surgery

Ultrapure fluids



made in Germany



Geuder®
Precision made in Germany

FLUORON®
Ein Unternehmen der Geuder Gruppe

Brilliant Peel[®] Dual Dye

Safer peeling due
to distinct staining
of the membrane



Intense and selective staining of ILM and ERM

Fast sinking – maximized contact surface
with tissue due to higher density

Safe application under air and BSS

Quick and easy application (ready to use)

Physiological osmolarity

Biocompatible

Composition and properties

1 ml Brilliant Peel[®] Dual Dye contains:

- 0,25 mg Brilliant Blue G
- 1,3 mg Bromphenol Blue
- Disodium hydrogen phosphate ($\text{Na}_2\text{HPO}_4 \times 2 \text{H}_2\text{O}$)
- Sodium dihydrogen phosphate ($\text{NaH}_2\text{PO}_4 \times 2 \text{H}_2\text{O}$)
- Sodium chloride (NaCl)
- Deuterium oxide (D_2O)
- Water for injection purposes

Density [g/cm³] at 25° C: 1.03

pH value in physiological range

Packaging units



G-81015 Brilliant Peel[®] Dual Dye Syringe
0.5 ml syringe, 5 pcs. per box, sterile

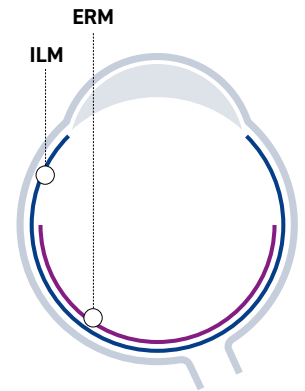
Video

Scan QR-Code for
further information on
Brilliant Peel Dual Dye



Fields of application

Brilliant Peel® Dual Dye was developed for specific staining of the inner limiting membrane (ILM) and epiretinal membrane (ERM). Specific staining of the ILM and ERM allows them to be clearly distinguished from the underlying retinal tissue, thus making the challenging surgical removal of the ILM and ERM easier and safer. Due to the density of 1.03 g/cm³ Brilliant Peel® Dual Dye quickly sinks to the fundus of the eye without diffuse dispersion in the whole bulbus.



Comparison of Brilliant Blue G (BBG), Bromphenol Blue (BPB), Indocyanine Green (ICG), Trypan Blue (TB) and Lutein for Chromovitrectomy

	Brilliant Peel® Dual Dye	Other dyes		
	BBG & BPB	ICG	TB	Lutein
Dye class (by chemical structure)	Triphenylmethane	Cyanine	Diazo	Carotinoid
Color	violet-blue	green	blue	yellow-orange
Dyes	Brilliant Blue G & Bromphenol Blue	Indocyanine Green	Trypan Blue	Lutein
Toxicity	no	yes	moderate	no
Affinity for ILM	high	high	low	low
Affinity for ERM	high	low	high	n.a.
Exposure time	short	short	long	short
Liquid / Gas exchange	no	no	yes	no

Bergamo VC, Caiado RR, Maia A, Magalhães O Jr, Moraes NSB, Rodrigues EB, Farah ME, Maia M (2020) Role of Vital Dyes in Chromovitrectomy. Asia Pac J Ophthalmol (Phila) 10: 26-38

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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Amico Yasna Pars (Pr.J.S.Co)

Tel: +9821-71137000 Fax: +9821-71137300
www.aypmedical.com info@aypmedical.com
2nd Floor, No. 1698, Shariati Ave., Tehran, Iran
Postal Code: 1914744755