Brilliant Peel® Dual Dye

The non-toxic Dual Dye!
“Excellent staining of pre-retinal membranes and vitreous remnants.”

**Senior Consultant Jürgen Steinhauer MD** University Eye Clinic Witten/Herdecke, County Hospital Hagen, St.-Josefs-Hospital, Germany

“Outstanding staining properties and an impressing sinking behavior makes Brilliant Peel Dual Dye the perfect tool for a save peeling in epiretinal macular procedures. Flawless for a fast and reliable multiple staining of different membrane parts.”

**Prof. Dr. Lars-Olof Hattenbach** Director of Eye Clinic Ludwigshafen, Germany

“Even under yellow UV-IOL the shape of the retinal nerve fiber layer (RNFL) on the ILM was perfectly visible. A highly promising new dye with excellent sinking properties.”

**A. Viestenz MD** University Clinic of Saarland, Homburg, Germany
**Brilliant Peel® Dual Dye**

- **Vial**: G-81025 Brilliant Peel® Dual Dye 0.5 ml  
Vial, 5 pcs. per box, sterile

- **Syringe**: G-81015 Brilliant Peel® Dual Dye 0.5 ml  
Syringe, 5 pcs. per box, sterile

**Features**

- Intense and selective staining of ILM, ERM and vitreous remnants
- Fast sinking, maximized contact surface with tissue
- Easy aspiration
- Non-toxic
- Physiological osmolarity
- Without preserving agents

**Intense and selective staining of ILM, ERM and vitreous remnants**

**Fast sinking, maximized contact surface with tissue**

**Easy aspiration**

**Non-toxic**

**Physiological osmolarity**

**Without preserving agents**
## Overview of characteristics

### Comparison of Brilliant Blue G (BBG), Bromphenol Blue (BPB), Indocyanine Green (ICG), Trypan Blue (TB), Acid Violet-17 and Lutein for chromocitrectomy 8,9

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<th>Brilliant Peel® Dual Dye</th>
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<td>Blue-Violet</td>
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<td>Toxicity 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14</td>
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<td>Exposure time</td>
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<td>Liquid/Gas exchange</td>
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### Composition and properties of Brilliant Peel® Dual Dye

**Composition of one 0.5 ml syringe / vial:**
0.125 mg Brilliant Blue G, 0.65 mg Bromphenol Blue, 0.1 ml D2O, 0.95 mg NaH2PO4, 2x H2O, 0.15 mg NaH2PO4, 2x H2O, 4.1 mg NaCl, ad 0.5 ml water for injection purposes

**Concentration:** Brilliant Blue G: 0.25 g/l, Bromphenol Blue: 1.3 g/l

**Density:** 1.03 g/cm³

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**Literature**
16. Patent DE102012103097 A1

**Composition and properties of Brilliant Peel® Dual Dye**

- **Chemical Classification:** Triphenylmethane
- **Color:** Blue-Violet
- **Density:** 1.03 g/cm³

**Overview of characteristics**

- **Brilliant Peel®**
  - Dual Dye
  - Other Dyes

**Chemical Classification**
- BBG & BPB: Triphenylmethane
- ICG: Cyanine
- TB: Diazeo
- Acid Violet-17: Triphenylmethane
- Lutein: Carotinoide

**Color**
- BBG & BPB: Blue-Violet
- ICG: Green
- TB: Blue
- Acid Violet-17: Violet
- Lutein: Yellow-Orange

**Dye**
- BBG & BPB: Brilliant Blue G
- ICG: Indocyamine Green
- TB: Trypan Blue
- Acid Violet-17: Acid Violet-17
- Lutein: Lutein

**Toxicity**
- BBG & BPB: no
- ICG: yes
- TB: moderate
- Acid Violet-17: moderate
- Lutein: no

**Approval**
- BBG & BPB: yes
- ICG: no
- TB: yes
- Acid Violet-17: yes
- Lutein: yes

**Affinity for ILM**
- BBG & BPB: high
- ICG: high
- TB: low
- Acid Violet-17: high
- Lutein: low

**Affinity for ERM**
- BBG & BPB: high
- ICG: low
- TB: high
- Acid Violet-17: low
- Lutein: n.a.

**Affinity for vitreous body**
- BBG & BPB: high
- ICG: low
- TB: low
- Acid Violet-17: high
- Lutein: high

**Exposure time**
- BBG & BPB: short
- ICG: short
- TB: long
- Acid Violet-17: short
- Lutein: short

**Liquid/Gas exchange**
- BBG & BPB: no
- ICG: no
- TB: yes
- Acid Violet-17: no
- Lutein: no

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