POSTERIOR SURGICAL DYES: FOCUS ON PURITY

MEMBRANEBLUE-DUAL® and ILM-BLUE®

Pure performance: Focus on ILM-BLUE® and MEMBRANEBLUE-DUAL®
- Next generation posterior dyes.
- Optimal injection characteristics.
- ILM-BLUE® for selective ILM staining.
- MEMBRANEBLUE-DUAL® for effective ILM and ERM staining.
- Highly purification for patient safety.
- Ready to use in syringes.

ILM-BLUE®

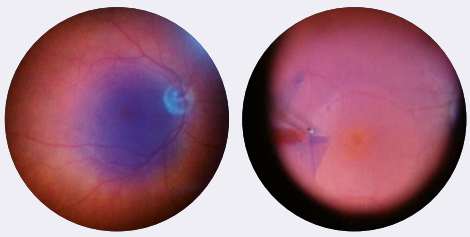
- ILM-BLUE® is a dye to stain the ILM in vitreoretinal surgery.
- By injecting ILM-BLUE® in the vitreous cavity the ILM will be clearly stained and easily distinguished from the underlying, unstained retina and can be removed selectively.
- Due to an integrated carrier 4% PEG solution, ILM-BLUE® can be injected in a BSS filled eye and sinks immediately as a cohesive ball to the fundus of the eye and only stains the targeted tissue without diffusion throughout the whole globe.

Specifications:
Composition of one 0.5ml syringe:
- 0.125 mg
- Brilliant Blue G
- PEG
- 4% PEG 3350
- Density kg/l
- 1,01

Concentration: 0.25 g/l
pH-value: 7.3 – 7.6
Osmolality: 301 - 369 mOsm/kg H2O

ILM-BLUE®: Posterior Dye for staining the ILM consists of:
- BBG 0,025% + 4% PEG
- Highly purified BBG – minimum 97% purity

EFFECTIVE ILM STAINING DUE TO HIGH PURIFICATION - MINIMUM 97% PURITY



ILM-BLUE®

ILMB-05-S

ILM-BLUE®, 0.5ml Syringe (Sterile, box/5).

SAFETY TESTS

- Toxicity tests on ARPE-19 human retinal pigment epithelium cells showed an advantageous safety profile of MEMBRANEBLUE-DUAL® and ILM-BLUE®.
- Increased purity of the dyes results in even safer products.
- Safety testing was complemented by electron microscopy ultrastructural analysis and in vitro cytotoxicity tests according to ISO-10993.

Advanced injection CHARACTERISTICS due to new "carrier" 4% PEG SOLUTION
- Creates better injection characteristics under BSS.
- Sinks immediately to posterior pole as a cohesive ball.
- Stains only target tissue and no diffusion throughout the eye.

MEMBRANEBLUE-DUAL®

- MEMBRANEBLUE-DUAL® is a dye to stain both the ILM as well as the ERM membrane, without compromising the staining effect within one injection.
- By injecting MEMBRANEBLUE-DUAL® in the vitreous cavity the membrane will be clearly stained and easily distinguished from the underlying, unstained retina and can be removed selectively.
- MEMBRANEBLUE-DUAL® is a stable mix and stains the ILM at the same level as ILM-Blue® and stains the ERM and PVR at a higher level than the classic MembraneBlue.
- Due to a new integrated carrier 4% PEG solution, MEMBRANEBLUE-DUAL® can be injected in a BSS filled eye and sinks immediately as a cohesive ball to the fundus of the eye and only stains the targeted tissue without diffusion throughout the whole globe.

Specifications:
Composition of one 0.5ml syringe:

• 0.125 mg	• Brilliant Blue G
• 0.75 mg	• Trypan Blue
• PEG	• 4% PEG 3350
• Density kg/l	• 1,01

Concentration:	1.75 g/l
pH-value:	7.3 – 7.6
Osmolality:	338 mOsm/kg H2O

MEMBRANEBLUE-DUAL®: Dye for staining ILM and ERM membranes consists of:
- Combination of TrypanBlue 0,15% + BBG 0,025% + 4% PEG
- Highly purified TB + BBG – minimum 97% purity

MBD-05-S

MEMBRANEBLUE-DUAL® 0.5 ml Syringe (Sterile, box/5).

PURITY & SAFETY

- ILM-BLUE® & MEMBRANEBLUE-DUAL® are produced according to Current Good Manufacturing Practice (CGMP)
- ILM-BLUE® & MEMBRANEBLUE-DUAL® are produced with highly purified BBG + Trypanblue at a drug substance level.

PATENT PROTECTED

USA	6,696,430B1	Technology Licensed from
	6,372,449	D. Western Therapeutics Institute, Inc., Japan.
	20080090914A1	
Australia	75731 8	
Japan	4200222	
Europe	EP 1 819 366 B1	

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