

Materials List for:

Fluorescent Dye Labeling of Erythrocytes and Leukocytes for Studying the Flow Dynamics in Mouse Retinal Circulation

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URL: <https://www.jove.com/video/55495>

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Materials

Name	Company	Catalog Number	Comments
Cardiogreen polymethine dye (Indocyanine green)	Sigma Aldrich	12633-50MG	
Fluorescein 100 mg/mL	Novartis	U1705A/H-1330292	
10x Phosphate-buffered saline (PBS) Ultra Pure Grade	1st BASE	BUF-2040-10X1L	
Bovine serum albumin	Sigma Aldrich	A7906-100G	
Microtainer tubes with K2E (K2EDTA) - EDTA concentration - 1.8 mg/mL of blood	BD, USA	REF 365974	
Histopaque 1077 solution	Sigma Aldrich	10771	
Centrifuge 5810 R	Eppendorf	05-413-401	
Microcentrifuge tubes 2 mL	Axygen	MCT-200-C-S	
Vortex mixer	Insta BioAnalytik pte. ltd	FINE VORTEX	
Shaker incubator	Lab Tech		
Ceva Ketamine injection (Ketamine hydrochloride 100 mg/mL)	Ceva	KETALAB03	
ILIUIM XYLAZIL-20 (Xylazine hydrochloride 20 mg/ML)	Troy Laboratories PTY. Limited	LI0605	
1% Mydracyl 15 mL (Tropicamide 1%)	Alcon Laboratories, Inc. USA	NDC 0998-0355-15	
2.5% Mydrfrin 5 mL (Phenylephrine hydrochloride 2.5%)	Alcon Laboratories, Inc. USA	NDC 0998-0342-05	
Terumo syringe with needle 1 cc/ mL Tuberculin	Terumo (Philippines) Corporation, Philippines	SS-01T2613	
Vidisc Gel 10 G	Dr. Gerhard Mann, Chem.-Pharm, Fabrik GmbH, Berlin, Germany		
Alcohol swabs	Assure medical disposables	7M-004-L-01	
Confocal laser scanning angiography system (Heidelberg Retina Angiograph 2)	Heidelberg Engineering, GmbH, Heidelberg, Germany		
Hiedelberg Spectralis Viewing Module software, v4.0	Heidelberg Engineering, GmbH, Heidelberg, Germany		
Fluorescent microscope	ZEISS	Model: axio imager z1	