

Materials List for:

Müller Glia Cell Activation in a Laser-induced Retinal Degeneration and Regeneration Model in Zebrafish

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Materials

Name	Company	Catalog Number	Comments
Acid hematoxylin solution	Sigma-Aldrich, Buchs, Switzerland	2852	
Albumin	Sigma-Aldrich, Buchs, Switzerland	A07030	
Bovine serum albumin (BSA)	Sigma-Aldrich, Buchs, Switzerland	5470	
Dako Pen	Dako, Glostrup, Danmark	S2002	
DAPI mounting medium	Vector Labs, Burlingame, CA, USA	H-1200	
Eosin G aqueous solution 0.5%	Carl Roth, Arlesheim, Switzerland	X883.2	
Ethanol	Sigma-Aldrich, Buchs, Switzerland	2860	
Ethylene diamine tetraacetic acid (EDTA)	Sigma-Aldrich, Buchs, Switzerland	ED	
Eukitt	Sigma-Aldrich, Buchs, Switzerland	3989	
Goat anti-rabbit IgG H&L Alexa Fluor® 488	Life Technologies, Zug, Switzerland	A11008	
Goat anti-mouse IgG H&L Alexa Fluor® 594	Life Technologies, Zug, Switzerland	A11020	
Goat normal serum	Dako, Glostrup, Danmark	X0907	
Hydrogel contact lens	Johnson & Johnson AG, Zug, Switzerland	n.a.	1-Day Acuvue Moist
Hydroxypropylmethylcellulose 2%	OmniVision, Neuhausen, Switzerland	n.a.	Methocel 2%
Ethyl 3-aminobenzoate methanesulfonate	Sigma-Aldrich, Buchs, Switzerland	A5040	Tricaine, MS-222
Visulas 532s	Carl Zeiss Meditec AG, Oberkochen, Germany	n.a.	532 nm laser
Mouse anti-GS monoclonal antibody	Millipore, Billerica, MA, USA	MAB302	
HRA + OCT Imaging System	Heidelberg Engineering, Heidelberg, Germany	n.a.	Spectralis
Heidelberg Eye Explorer	Heidelberg Engineering, Heidelberg, Germany	n.a.	Version 1.9.10.0
Paraformaldehyde (PFA)	Sigma-Aldrich, Buchs, Switzerland	P5368	
Phosphate buffered saline (PBS)	Sigma-Aldrich, Buchs, Switzerland	P5368	
Rabbit anti-GFAP polyclonal antibody	Invitrogen, Waltham, MA, USA	180063	
Silicone pin holder	Huco Vision AG Switzerland	n.a.	Cut by hand from silicone pin mat of the sterilization tray accordingly.
Slit lamp BM900	Haag-Streit AG, Koeniz, Switzerland	n.a.	

Slit lamp adapter	Iridex Corp., Mountain View, CA, USA	n.a.	
Superfrost Plus glass slides	Gehard Menzel GmbH, Braunschweig, Germany	10149870	
TgBAC (gfap:gfap-GFP) zf167 (AB) strain	KIT, Karlsruhe, Germany	15204	http://zfin.org/ZDB-ALT-100308-3
Tris buffered saline (TBS)	Sigma-Aldrich, Buchs, Switzerland	P5912	
Tween 20	Sigma-Aldrich, Buchs, Switzerland	P1379	
78D non-contact slit lamp lens	Volk Optical, Mentor, OH, USA	V78C	
Xylene	Sigma-Aldrich, Buchs, Switzerland	534056	
Ocular fundus laser lens	Ocular Instruments, Bellevue, WA, USA	OFA2-0	
2100 Retriever	Aptum Biologics Ltd., Southampton, United Kingdom	R2100-EU	Steamer