

Materials List for:

Application of MultiColor FlpOut Technique to Study High Resolution Single Cell Morphologies and Cell Interactions of Glia in *Drosophila*

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Materials

Name	Company	Catalog Number	Comments
Water bath	Grant	GD100	
PCR tubes	Sarstedt	72.737.002	
Forceps	Dumont	11251-20	
Dissecting dish 30 mm x 12 mm	Electron Microscopy Sciences	70543-30	Glass dissection dish
Pyrex 3 Depression Glass Spot Plate	Corning	7223-34	Glass dissection plates
Sylgard Black	SYLGARD, Sigma-Aldrich	805998	home made with charcoal
ExpressFive S2 cell culture medium	Invitrogen	10486-025	
20% PFA	Electron Microscopy Sciences	15713	
Triton X-100	Roth	3051.3	
Normal goat serum	Jackson Laboratories	005-000-121	
Normal donkey serum	Jackson Laboratories	017-000-121	
Bovine Serum Albumin	Sigma	A9647	
Rabbit HA-tag	Cell Signaling	C29F4	Primary antibody, dilution 1:500
Rat FLAG-tag	Novus Biologicals	NBP1-06712	Primary antibody, dilution 1:100
Mouse V5-tag:DyLight 549	AdSerotec	0411	Conjugated antibody, dilution 1:200
anti-rabbit AlexaFluor 488	Invitrogen	A11034	Secondary antibody, dilution 1:250
anti-rat DyLight 647	Jackson Laboratories	712-605-153	Secondary antibody, dilution 1:100
Vecta Shield	Vector Laboratories	H-1000	
SlowFate Gold	Invitrogen	S36937	
Secure Seal Spacer	Grace Biolabs		Contact company for ordering
Microscope cover glass 22 X 60 mm	Marienfeld	101152	
Microscope cover glass 22 x 22 mm	Roth	H874	
Stereo Microscope, Leica MZ6	Leica		
Confocal laser scanning microscope LSM710	Zeiss		
Immersol	Zeiss	518 F	Immersion oil for fluorescence-microscopy, halogen free
Immersol	Zeiss	W 2010	Immersion fluid for water-immersion objectives, halogen free
R56F03-GAL4 (EG)	Bloomington Stock Center	39157	GAL4 driver
R86E01-GAL4 (ALG)	Bloomington Stock Center	45914	GAL4 driver

hspFlpPestOpt; UAS-FRT-stop-FRT-myr-smGFP-HA, UAS-FRT-stop-FRT-myr-smGFP-FLAG, UAS-FRT-stop-FRT-myr-smGFP-V5	Bloomington Stock Center	64085	UAS reporter (https://bdscweb.webtest.iu.edu/stock/misc/mcfo.php)
Fiji (Image J)			Image analysis software
Multi Time Macro	Zeiss		Software for automated scanning