

Materials List for:

Live Imaging of Innate Immune and Preneoplastic Cell Interactions Using an Inducible Gal4/UAS Expression System in Larval Zebrafish Skin

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URL: <https://www.jove.com/video/52107>

DOI: [doi:10.3791/52107](https://doi.org/10.3791/52107)

Materials

Name	Company	Catalog Number	Comments
(Z)-4-Hydroxytamoxifen	Sigma Aldrich	H7904	dilute in ethanol and store in the dark at -20 °C
20X Objective	Zeiss		20X/0.5 Ph2 ∞/0.17
40X Objective	Zeiss		40X/1.2W Korr ∞/0.14-0.18
63X Objective	Zeiss		63X/1.4 Oil Ph3 ∞/0.17
BamHI	New England Biolabs	R0136S	
Confocal Microscope	Zeiss		LSM 510 META
Cover glass	VWR	631-0171	Diameter 25 mm
Dimethylpolysiloxane	Sigma Aldrich	DMPSV	
Dow Corning high-vacuum silicone grease	Sigma Aldrich	MKBL4135V	
Flaming/Brown P-97 Micropipette Puller	Sutter Instruments Co.	P-97	Program: heat 530, pull 200, velocity 80, and time 150
Fluorescent stereoscope	Leica		M205 FA
Kwik-Fill Brosilicate Glass Capillaries	World Precision Instruments	1B100F-4	
Microinjection mold TU-1	Adaptive Science Tools	TU-1	
Microloader tip	Eppendorf	930001007	
Microscope	Zeiss		Axiovert 200
mMESSAGE mMACHINE Kit	Ambion	AM1348	
Nuclease-free water	Invitrogen	AM9937	
Pneumatic pico pump	World Precision Instruments	PV820	
Pneumatic pico pump	Warner Instruments	PLI-90A	
pTol2-kr4:KalTA4-ERT2;cmlc2:eGFP			Dr. Thomas Ramezani/Yi Feng Lab/The University of Edinburgh
QIAprep Spin Miniprep Kit	Quiagen	27106	
Rhodamine B isothiocyanate-Dextran	Sigma Aldrich	R8881	10 mg/μl in water
Stereoscope	Leica		M80
<i>Tg(lysC:dsRed2)nz50Tg</i>			<i>BMC Developmental Biology</i> 7 , 42, doi:10.1186/1471-213X-7-42 (2007)
<i>Tg(UAS:eGFP-HRASG12V)io006</i>			<i>PLoS One</i> 5 (12), e15170, doi:10.1371/journal.pone.0015170 (2010)
Tricaine/MS-222	Sigma Aldrich	A5040	

UltraPure Agarose	Invitrogen	16500-100	
UltraPure Low Melting Point Agarose	Invitrogen	16520-050	
UltraPure Phenol : Chloroform : Isoamyl Alcohol	Invitrogen	15593-031	25:24:1, v/v