

Materials List for:

Using Light Sheet Fluorescence Microscopy to Image Zebrafish Eye Development

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Materials

Name	Company	Catalog Number	Comments
Lightsheet Z.1 microscope	Carl Zeiss Microscopy		
Low melting point agarose	Roth	6351.1	
Low melting point agarose	Sigma	A4018 or A9414	
Ethyl 3-aminobenzoate methanesulfonate (MESAB/MS-222/Tricaine)	Sigma	E10521	
N-Phenylthiourea (PTU)	Sigma	P7629	
500 nm red fluorescent beads F-Y 050	Millipore (Estapor)	80380495	
20 µl (1 mm inner diameter, marked black) capillaries	Brand	701904	sold as spare part for transferpettor
Teflon tip plungers for 20 µl capillaries	Brand	701932	sold as spare part for transferpettor
Circular glass coverslips diameter 18 mm, selected thickness 0.17 mm	Thermo scientific (Menzel-Glaser)		
O-rings for chamber windows 17×1.5 mm	Carl Zeiss Microscopy		
Tweezers, style 55	Dumont	0209-55-PO	
50 ml Luer-Lock syringes	Becton Dickinson	300865	
150 cm extension cable for infusion compatible with Luer-Lock syringes	Becton Dickinson	397400	
Links			
Link 1 Multiview reconstruction application			https://github.com/bigdataviewer/SPIM_Registration http://fiji.sc/Multiview-Reconstruction
Link 2 BigDataViewer			https://github.com/bigdataviewer
Link 3 BigDataViewer			http://fiji.sc/BigDataViewer
Link 4 Multiview reconstruction application-issues			https://github.com/bigdataviewer/SPIM_Registration/issues
Link 5 BigDataViewer-issues			https://github.com/bigdataviewer/bigdataviewer_fiji/issues
Link 6 BigDataServer			http://fiji.sc/BigDataServer