

Materials List for:

Correlative Super-resolution and Electron Microscopy to Resolve Protein Localization in Zebrafish Retina

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Materials

Name	Company	Catalog Number	Comments
Paraformaldehyde	Sigma-Aldrich	#158127	
Glutaraldehyde EM Grade	EMS, USA	#16220	
Cacodylate	Merck	#8.20670	
Tricaine	Sigma-Aldrich	#886-86-2	
Agarose, peqGOLD Universal	VWR International GmbH	35-1020	
Flat embedding molds	BEEM Flat		
Local food brand gelatin	Dr.Oetker	Extra Gold	
Sucrose	Merck	#1.07687	
Methylcellulose	Sigma	#M-6385	
Glycine	Sigma	#G-7126	
Gelatin type B	Sigma	#G-6650	
BSA	Applichem	#A6588.0050	
Silicon wafer	Si-Mat Silicon Materials		Type: P/Boron; Orientation <111> ON; Growth method: CZ; Resistivity:1-30 ohm/cm; Surface: polished; Laser cut at 7 x7 mm
Cryo-pin	Baltic Preparation	#16701950	
Wired loop "Perfect loop"			
Silicone stripes	Picodent	Twinsil 22	
Glucose	Sigma-Aldrich	#G8270	
glucoseoxidase	Sigma-Aldrich	#G7141	
catalase	Sigma-Aldrich	#C40	
beta-Mercaptoethylamine hydrochloride	Sigma-Aldrich	#M6500	
anti-Tom20	Santa Cruz Biotechnology	#sc - 11415	
AlexaFluor 647 AffiniPure F(ab') ₂ fragment donkey anti rabbit IgG	Jackson Immuno-Research	#711-606-152	
DAPI	ROCHE, Switzerland	#10236276001	
Glycerol solution	Sigma-Aldrich	#49782	
Glass bottom petri dish	Ibidi, Germany	u-Dish 35mm, high glass bottom, #81158	
SEM aluminium stub	Agar Scientific	#G301F	
Conducting carbon cement Leit-C	Plano, Germany	AG3300	

Name	Company	Catalog Number	Comments
Instruments			
Diamond Knife (Cryo Immuno)	Diatome	DCIMM3520	
Cryo-ultramicrotome	Leica Microsystems	Leica EM FCS	
Widefield-TIRF microscope GSD Leica SR GSD 3D	Leica Microsystems		
160x 1.43 TIRF objective	Leica Microsystems	11523048	
SEM - Zeiss Supra 50 VP	Zeiss	Supra 50 VP	
FIB-SEM - Zeiss Auriga 40	Zeiss	Auriga 40	