

Materials List for:

Imaging and 3D Reconstruction of Cerebrovascular Structures in Embryonic Zebrafish

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Materials

Name	Company	Catalog Number	Comments
N – Phenylthiourea	Alfa Aesar, catalog #41972		0.2 M in E3 buffer, kept at 4 °C
E3 buffer	Sigma		5 mM NaCl, 0.17 mM KCl, 0.33 mM CaCl ₂ , 0.33 mM MgSO ₄
Confocal microscope	Nikon		D-EclipseC1 on a Nikon TE-2000U
Glass bottom dishes	Mat-Tek		
GSI IX/DAPT			N-[N-(3,5-Difluorophenacetyl-L-alanyl)]-S-phenylglycine-butyl ester EMD Biosciences
24 well plates	Becton-Dickinson, cat# 351147		BD Falcon
Transfer pipettes	VWR, cat #414004-001		VWR disposable transfer pipettes
Methyl-cellulose	Alfa Aesar, cat#43146		3% in E3 buffer
NRD 4/6 Fish food	Brine Shrimp Direct		Dried
Brine shrimp	Brine Shrimp Direct		Live
Tungsten wire	Small Parts # TW-016-60		0.016" OD
Tricaine	VWR # 101107-950		Tricaine methanesulfonate 250 mg/L in E3 buffer