

Materials List for:

Zebrafish Whole Mount High-Resolution Double Fluorescent *In Situ* Hybridization

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Materials

Name	Company	Catalog Number	Comments
Paraformaldehyde 16% solution, EM Grade	Electron Microscopy Sciences	15710	Dilute to 4% in 1.33x PBS (final 1x). Store in 2ml aliquots at -20°C
Proteinase K, recombinant PCR grade	Roche Group	03115879001	Make a 20mg/ml stock solution in water. Store in 1ml aliquots at -20°C
Blocking Reagent	Roche Group	11096176001	Make a 10% stock solution in 1x maleic acid buffer. Store in 50ml aliquots at -20°C. Stable over multiple freeze/thaws.
Anti-Fluorescein-POD, Fab fragments	Roche Group	11426346910	Aliquot and store at -20°C. Keep one working aliquot at 4°C.
Anti-Digoxigenin-POD, Fab fragments	Roche Group	11207739910	As above.
TSA Plus Fluorescein system	PerkinElmer, Inc.	NEL741001KT	Prepare each vial of TSA reagent only when needed. Dissolve in 60µl DMSO. Store at 4°C.
TSA Plus Cyanine5 system	PerkinElmer, Inc.	NEL745001KT	As above
TSA Plus Cyanine3 system	PerkinElmer, Inc.	NEL744001KT	As above
TSA Kit #16 AlexaFluor647 tyramide (plus HRP-goat-anti-rabbit IgG)	Molecular Probes, Life Technologies	T20926	Dissolve tyramide reagent in 150µl DMSO, aliquot and store at -20°C.
RNase, DNase free	Roche Group	11119915001	Supplied as 500µg/ml solution
Propidium Iodide	Molecular Probes, Life Technologies	P-3566	Supplied as 1mg/ml solution in water.