

Materials List for:

Combining Double Fluorescence *In Situ* Hybridization with Immunolabelling for Detection of the Expression of Three Genes in Mouse Brain Sections

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Materials

Name	Company	Catalog Number	Comments
QIAprep Miniprep	Qiagen	27104	
Deionized formamide	Sigma	F9037	for ISH blocking buffer
Sodium chloride	Sigma	S3014	
Trizma Base	Sigma	T1503	
Hydrochloric acid	VWR International	20252.290	
Sodium phosphate monobasic anhydrous	Sigma	S8282	
Sodium phosphate dibasic dihydrate	Sigma	30435	
Yeast tRNA	Roche	10109495001	
50x Denhardt's solution	Life Technologies	750018	
Dextran sulfate	Sigma	D8906	
Aspa cDNA clone	Source Bioscience	IRAVp968C0654D	
Sall	New England Biolabs	R0138	
Sodium acetate	Sigma	S2889	
Equilibrated phenol	Sigma	P4557	
Chloroform	Sigma-Aldrich	C2432	
Isoamyl alcohol	Aldrich	496200	
Ethanol	VWR International	20821.321	
T7 RNA polymerase	Promega	P4074	
Transcription buffer	Promega	P118B	
100 mM DTT	Promega	P117B	
UTP-DIG NTP mix	Roche	11277073910	
Rnasin	Promega	N251B	
Paraformaldehyde	Sigma	P6148	
Filter paper	Fisher scientific	005479470	
Sucrose	Sigma	59378	
Diethyl pyrocarbonate	Sigma	D5758	
Pentobarbitone	Animalcare Ltd	BN43054	
Dissecting scissors	World Precision Instruments	15922	
25 gauge needle	Terumo	300600	
Peristaltic pump	Cole-Parmer Instrument Co. Ltd	WZ-07522-30	
Iris scissors	Weiss	103227	
No.2 tweezers	World Precision Instruments	500230	

Coronal Brain Matrix	World Precision Instruments	RBMS-200C	
Razor blade	Personna Medical	PERS60-0138	
OCT medium	Tissue tek	4583	
Cryostat/microtome	Bright		
Superfrost plus slides	Thermo Scientific	J1800AMNZ	
Sodium citrate	Sigma	S4641	for 65 °C wash buffer
Formamide	Sigma-Aldrich	F7503	
Tween-20	Sigma-Aldrich	P1379	
Coverslips	VWR International	631-0146	
Coplin Jar	Smith Scientific Ltd	2959	
Blocking reagent	Roche	11096176001	
Heat-inactivated sheep serum	Sigma	S2263	
Hydrophobic pen	Cosmo Bio	DAI-PAP-S	1:500
α -FITC POD-conjugated antibody	Roche	11426346910	
TSA™ Plus Fluorescein System	Perkin Elmer	NEL741001KT	1:1,500
α -DIG AP-conjugated	Roche	11093274910	
Fast red tablets	Roche	11496549001	
.22 μ M filter	Millex	SLGP033RS	
α -Olig2 Rabbit antibody	Millipore	AB9610	
Alexa Fluor® 647-conjugated α -rabbit antibody	Life technologies	A-31573	1:1,000
bisBenzimide H 33258	sigma	B2883	
Mounting medium	Dako	S3023	
Leica SP2 confocal microscope	Leica		