

Materials List for:

One Mouse, Two Cultures: Isolation and Culture of Adult Neural Stem Cells from the Two Neurogenic Zones of Individual Mice

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Materials

Name	Company	Catalog Number	Comments
Poly-D-lysine	Sigma	P7280-5MG	
Laminin	Roche	11243217001	
Glass Pastuer pipettes	Volac	BS5732	
DMEM:F12 (1:1) 1x	Life Technologies	21331-020	
Neural Basal Medium (1x)	Life Technologies	21103-049	
B27 supplements (50x)	Life Technologies	17504-044	
GlutaMAX	Life Technologies	35050-038	
Heparin	Sigma	H3393	
Penacillin/Streptomycin	Life Technologies	15140-122	
EGF	PeptoTech	AF-100-15	
bFGF	PeptoTech	100-18B	
0.05% Trypsin-EDTA	Life Technologies	25300-054	
Trypsin inhibitor	Sigma	T6522	
DNaseI	Roche	10104159001	
Accutase	PAA	L11-007	
Papain	Worthington	LS003120	
Dispase	Life Technologies	17105-041	
Percoll	GE Healthcare	17-0891-02	
HBSS (with Calcium and Magnesium)	Life Technologies	14025-050	
Glucose	Roth	X997.2	
HEPES	Sigma	H3375-500G	
NaHCO ₃	Merck	K39347429847	
1 ml Syringes	Braun	2016-10	
27 G Needles	Braun	4657705	
Scalpels (#22 disposable)	Braun	BA222	
Dumont #7 forceps	FST	11271-30	
Dumont 5/45 forceps	FST	11251-35	
Scissors	FST	14060-10	
Iris spatula	FST	10093-13	
70% Ethanol			
PBS	Life Technologies	14040-091	
flasks/well plates	TPP	92696	

PFA (4%)	Sigma	P6148	
Hemocytometer	Marienfeld	650010	
Trypan blue (0.4%)	Sigma	T8154	
NDS	Millipore	530	
TritonX-100	Sigma	T9284	
Mouse monoclonal bIII-tubulin antibody	Promega	G712A	
Rabbit polyclonal glial fibrillary acidic protein antibody	Dako	20334	
O4	R&D Systems	MAB1326	
Map2a+b	Sigma	M1406	
Donkey anti-mouse Cy3 antibody	Jackson ImmunoResearch	715-505-151	
Donkey anti-rabbit Alexa488	Dianova	711-545-152	
4,6-Diamidino-2-phenylindole (DAPI)	Invitrogen	861405	
Aqua Polymount	Polysciences Inc	18606	
10 ml Combi tips	Eppendorf	30089677	
Plastic 10 ml and 25 ml serological pipettes	Corning	4488/4489	
EQUIPMENT			
Pipetboy	Integra Biosciences	521942	
Multidoser pipette	Eppendorf		
37 °C waterbath			
Dissecting microscope			
37 °C:5% CO ₂ incubator			
Centrifuge	Eppendorf	5810R	