

Materials List for:

Enumeration of Neural Stem Cells Using Clonal Assays

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Materials

Name	Company	Catalog Number	Comments
15 mL conical centrifuge tubes	BD	352096	
50 mL conical centrifuge tubes	BD	352070	
20 mL sterile syringe	BD	300141	
50 mL sterile syringe	BD	300144	
Fetal Bovine Serum (FBS)	Biowest	S1810	
Mouse anti-Tuj1 IgG _{2a} antibody	Covance	MMS-435P-100	
Rabbit anti-GFAP IgG antibody	Dako	Z033401	
Hemocytometer	Hausser Scientific	3100	
Microscope fitted to laminar flow hood	Leica	MZ6	
Glass slides	Marienfeld-superior	1000200	
Mouse anti-O4 IgM antibody	Merck Millipore	MAB345	
Hydromount	National Diagnostics	HS-106	
Microscope	Nikon Eclipse	TS100-F	
Laminar flow hood	NuAire	NU-543	
96-well culture dishes	NUNC	167008	
10-cm culture dishes	NUNC	150350	
Paraffin film	Parafilm	PM999	
Human Epidermal Growth Factor (EGF)	Peprtech	AF-100-15	
Recombinant human basic Fibroblast Growth Factor (bFGF)	Peprtech	100-18B	
0.2 µm filter	Sartorius Stedim	16534-K	
0.45 µm filter	Sartorius Stedim	16555-K	
1.0 N Sodium Hydroxide (NaOH)	Sigma-Aldrich	S2770	
1.0 N Hydrochloric acid (HCl)	Sigma-Aldrich	H9892	
Trypan Blue	Sigma-Aldrich	T8154	
Poly-L-Lysine (PLL)	Sigma-Aldrich	P8920	
Paraformaldehyde (PFA) powder	Sigma-Aldrich	P6148	Toxic
Bovine Serum Albumin (BSA) powder	Sigma-Aldrich	A7906	
50-well chambered coverslips	Sigma-Aldrich	C7735	
Stir plate with heat function	Stuart	UC152	
DMEM/F12 medium	Thermo Fisher Scientific	11320-033	
B27 supplement	Thermo Fisher Scientific	17504044	

Penicillin-Streptomycin	Thermo Fisher Scientific	15140-122	
Laminin	Thermo Fisher Scientific	23017-015	
1x Phosphate Buffered Saline without Ca ²⁺ and Mg ²⁺ (DPBS)	Thermo Fisher Scientific	14190144	
Alexa Fluor 488 goat anti-mouse IgM antibody	Thermo Fisher Scientific	A21042	
Alexa Fluor 594 goat anti-mouse IgG _{2a} antibody	Thermo Fisher Scientific	A21135	
Alexa Fluor 647 goat anti-rabbit IgG antibody	Thermo Fisher Scientific	A31573	
4',6'-diamidino-2-phenylindole dihydrochloride (DAPI)	Thermo Fisher Scientific	D3571	
Cell-culture centrifuge	Thermo Fisher Scientific	RT1 75002383	
Pasteur pipettes	Thermo Fisher Scientific	10006021	
CO ₂ incubator			
Ventilated fume-hood			
Aspirator			
Confocal microscope			
Micropipettes			
Micropipette tips			
Plastic pipettes			
Multichannel pipettes			
Glass beaker			
Sterile forceps			
pH meter			