

Materials List for:

Laser Capture Microdissection of Neurons from Differentiated Human Neuroprogenitor Cells in Culture

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Materials

Name	Company	Catalog Number	Comments
Neuroprogenitor cells (NPCs)	Lonza	PT-2599	
Neurocult NS-A human basal medium	Stem cell technology	5750	
Neurocult NS-A Proliferation supplement	Stem cell technology	5753	
Neurocult NS-A Differentiation supplement	Stem cell technology	5754	
B-27 Supplement (50x)	Invitrogen	17504-044	
Human epidermal growth factor	Stem cell technology	2633	
Fibroblast growth factor	Sigma	F0291	
Brain Derived Neurotrophic Factor	Cell signaling	3897S	
Nerve Growth Factor	Invitrogen	13257-019	
Dibutyl cyclic AMP	Sigma	D-0627	
poly-L-lysine	Sigma	P-5899	
Mouse laminin	Sigma	L-2020	
Retinoic acid	Sigma	R-2625	
STAT3 antibody	Cell signaling	9132	
GFAP antibody	Cell signaling	3670	
GAP43 antibody	Transduction laboratories	612262	
BDNF antibody	Millipore	AB1534SP	
Acetyl cholinesterase antibody	Santz cruz	Sc-11409	
Synaptophysin antibody	Abcam	ab18008-50	
NeuN antibody	Chemicon	MAB377	
Synapsin antibody	Novus	NB300-104	
Anti mouse FITC	Jackson Immuno	115-095-146	
	Research Laboratories		
Anti Rabbit Cy3	Jackson Immuno	711-165-152	
	Research Laboratories		
BSA	Sigma	A1653	
Triton-X 100	Acros	21568-2500	
Paraformaldehyde	Fisher	4042	
Coverslip (Big circle cover slip)	Fisherbrand	12-545-102	
Mounting medium (Prolong Gold)	Invitrogen	P36930	
Pen membrane	Applied biosystems	LCM0521	

Histogene LCM frozen section staining kit	Applied biosystems	KIT0401	
RiboAmp RNA Amplification kit	Applied biosystems	KIT0201	
Picopure RNA Isolation kit	Applied biosystems	KIT0202	
CaptureMacro LCM caps	Applied biosystems	LCM0211	