

GM-Free Generation of Blood-Derived Neuronal Cells

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jove.com/video/61634

Materials

Name	Company	Catalog Number	Comments
Albumin Fraction V	Roth	T8444.4	
Anti-GFAP Cy3 conjugate	Merck Millipore	MAB3402C3	
Anti-MAP2 Alexa Fluor 555	Merck Millipore	MAB3418A5	
Anti-Nestin Alexa Fluor 488	Merck Millipore	MAB5326A4	
Anti-Tuj1 Alexa Fluor 488	BD Pharmingen	560381	
AO/PI Cell Viability kit	Biozym	872045	Biozym discontinued. The product produced by Logos Biosystems.
Ascorbic acid 2-phosphate sequimagnes	Sigma Aldrich	A8960-5G	
B27 Serum free 50x	Fisher Scientific (Gibco)	11530536	
Basic FGF solution	Fisher Scientific (Gibco)	10647225	
Biocoll	Merck Millipore	L6115-BC	density gradient media
BSA Frac V 7.5%	Gibco	15260037	
CD45 MicroBeads	Miltenyi	130-045-801	nano-sized magnetic beads
Cell counting slides Luna	Biozym	872010	Biozym discontinued. The product produced by Logos Biosystems.
Chamber Slides Lab-Tek	Fisher Scientific	10234121	
D-MEM/F12	Merck Millipore	FG4815-BC	
Durcupan	Sigma Aldrich	44610	epoxy resin
FBS	Merck Millipore	S0115/1030B	Discontinued. Available under: TMS-013-B
GDNF recombinant human	Fisher Scientific (Gibco)	10679963	
GlutaMax 100x	Gibco	35050038	L-glutamine
Glutaraldehyde grade	Sigma-Aldrich	G5882-50ML	
Heparin sodium cell	Sigma-Aldrich	H3149-50KU	
Human BDNF	Fisher Scientific (Gibco)	11588836	
Iscove (IMDM)	Biochrom	FG0465	
Laminin mouse	Fisher Scientific (Gibco)	10267092	
Lead citrate	Sigma-Aldrich	15326-25G	
Luna FL Automated Cell Counter	Biozym	872040	Biozym discontinued. The product produced by Logos Biosystems.

MACS Buffer	Miltenyi	130-091-221	
MEM NEAA 100x	Gibco	11140035	
MiniMACS Trennsäulen	Miltenyi	130-042-201	
Morada digital camera	Olympus		
Multiplatte Nunclon 4 wells	Fisher Scientific	10507591	
N2 Supplement 100x	Fisher Scientific (Gibco)	11520536	
Neurobasal Medium	Gibco	10888022	
PBS sterile	Roth	9143.2	
Poly-L-ornithine	Sigma-Aldrich	P4957-50ML	
Super Glue-3 Loctite	Henkel		
TEM FEI Technai G ² Spirit	FEI Europe		
Ultracut UC-6	Leica		
Uranyl acetate C	EMS	22400	