Materials List for:

## **Nucleofection and Primary Culture of Embryonic Mouse Hippocampal and Cortical Neurons**

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## **Materials**

Name	Company	Catalog Number	Comments
Sodium Borate	Fisher Scientific	S93356	Store borate buffer at room temperature (RT).
Poly-d-Lysine	Sigma-Aldrich	P7886-100mg	Dissolve in 0.1M borate buffer. Sterile filter and store aliquots at -80°C.
Trypsin (10x)	Invitrogen	15090-046	Store aliquots at -80°C.
DNase (10x)	Sigma-Aldrich	DN25-1G	Store aliquots at -80°C.
MEM	Invitrogen	11095-080	Store at 4°C.
HBSS (10x)	Invitrogen	14185-052	Store at RT.
HEPES (100x)	Invitrogen	15630-080	Store at 4°C.
Penicillin/Streptomycin (100x)	Invitrogen	15140-122	Store aliquots at -80°C.
Horse Serum	Hyclone	SH3007403	Store aliquots at -80°C.
Trypsin/EDTA	Invitrogen	25200-056	Store at 4°C.
Neurobasal E (NB)	Invitrogen	21103-049	Store at 4°C.
B27 Supplement (50x)	Invitrogen	17504-044	Store aliquots at -80°C.
Glutamine (100x)	Invitrogen	25030-081	Store aliquots at -80°C
30% Glucose in NB (100X)	Fisher Scientific	BP350-500	Dissolve glucose in NB and sterile filter. Store at 4°C.
3.75M NaCl in NB (100X)	Fisher Scientific	BP358-1	Dissolve NaCl in NB and sterile filter. Store at 4°C.
Fetal Bovine Serum (FBS)	Hyclone	SH3007003	Store aliquots at -80°C.
Paraffin/Petroleum Jelly (3:1 w/w)	Fisher Scientific	Paraffin – P31-500 Petroleum – P66-1	Combine in conical tube and melt in boiling water.
Concentrated Nitric Acid (HNO3)	Fisher Scientific	A509-212	Store at room temperature. Can be reused several times. Discard if it yellows.
5mM cytosine –B-D- arabinofuranoside hydrochoride (AraC) in NB (1000X)	Sigma-Aldrich	C6645	Dissolve AraC in NB and sterile filter. Store at -80°C

<sup>\*</sup>Most reagents that we store at -80°C can be stored at -20°C as well. Storing them at -80°C lengthens their shelf life and results in slightly more consistent cultures.

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