

Materials List for:

The Detection of 5-Hydroxymethylcytosine in Neural Stem Cells and Brains of Mice

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URL: <https://www.jove.com/video/59950>

DOI: [doi:10.3791/59950](https://doi.org/10.3791/59950)

Materials

Name	Company	Catalog Number	Comments
4'-6-diamidino-2-phenylindole (DAPI)	Sigma-Aldrich	D8417	
Adobe Photoshop software	Adobe Inc.	/	
Alexa Fluor 488 goat anti-rabbit IgG	Thermo Fisher	A11008	
Alexa Fluor 568 goat anti-mouse IgG	Thermo Fisher	A11001	
anti-5-hydroxymethylcytosine	Active Motif	39769	
anti-NeuN	Millipore	MAB377	
B27 supplement	Gibco	12587-010	
B27 supplement	Gibco	12580-010	
B27 supplement	Gibco	17504-044	
Cryostat microtome	Leica	CM1950	
DMEM/F-12 medium	OmegaScientific	DM25	
epidermal growth factor	PeproTech	100-15	
Fibroblast growth factor-basic	PeproTech	100-18B	
forskolin	Sigma-Aldrich	F6886	
GlutaMax	Thermo	35050061	
L-Glutamine	Gibco	25030-149	
neurobasal medium	Gibco	21103-049	
normal goat serum	Vector Laboratories	Z0325	
nylon membrane (Hybond™-N+)	Amersham Biosciences	RPN303B	
OCT	Leica	14020108926	
Pen Strep	Gibco	15140-122	
phenol: chloroform: isoamyl alcohol (25: 24:1)	Sigma-Aldrich	516726	
Poly-D-Lysine	Sigma	P0899-10	
proteinase K	VVR	39450-01-6	
retinoic acid	Sigma-Aldrich	R2625	
Triton X-100	Solarbio	T8210	