

# Materials List for:

## The Mouse Hindbrain As a Model for Studying Embryonic Neurogenesis

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URL: <https://www.jove.com/video/56793>

DOI: [doi:10.3791/56793](https://doi.org/10.3791/56793)

### Materials

Name	Company	Catalog Number	Comments
Round-bottomed reagent tube, 2.0 ml (Safe-Lock)	VWR	211-2120	Also available from other commercial suppliers
Plastic cell culture dish, 60 mm	Thermo Fisher	150288	Also available from other commercial suppliers
Cell culture plates, 12-well	Thermo Fisher	150628	Also available from other commercial suppliers
Pasteur pipettes	Copan	200C	Also available from other commercial suppliers
Dumont Watchmaker forceps, no. 5	FST	91150-20	
Dumont Watchmaker forceps, no. 55	FST	11295-51	
29G needle/syringe	BD	BD Micro-Fine +1ml	
Anti-phospho-histone H3 primary antibody	Millipore	06-570	Goat, dilution 1:400
Anti-BrdU primary antibody	Abcam	ab6326	Rat, dilution 1:400
Anti-Ki67 primary antibody	BD Biosciences	550609	Mouse, dilution 1:400
Anti-RC2 primary antibody	Developmental Studies Hybridoma Bank	RC2	Mouse (IgM), dilution 1:400
Alexa Fluor 488-conjugated goat anti rabbit secondary antibody	Thermo Fisher	A11029	Dilution 1:200
Alexa Fluor 594-conjugated goat anti rabbit secondary antibody	Thermo Fisher	A11037	Dilution 1:200
Alexa Fluor 488-conjugated goat anti mouse IgM secondary antibody	Thermo Fisher	A21042	Dilution 1:200
Alexa Fluor 488-conjugated goat anti mouse secondary antibody	Thermo Fisher	A11001	Dilution 1:200
Alexa Fluor 594-conjugated goat anti rat secondary antibody	Thermo Fisher	A11007	Dilution 1:200
4',6-Diamidino-2-Phenylindole, Dihydrochloride (DAPI)	Sigma	D9542	Use at 10 µg per mL
5-ethynyl-2'-deoxyuridine (EdU)	Sigma	900584	
5-bromo-2'-deoxyuridine (BrdU)	Sigma	B5002	
Click-iT EdU Alexa Fluor 594 Imaging Kit	Thermo Fisher	C10086	
Heat-inactivated goat serum	Sigma	G9023	
Bovine serum albumin	Sigma	A7906	
DAKO protein-block serum free	Agilent	X0909	
Triton X-100	Sigma	T8787	Also available from other commercial suppliers

Phosphate buffer saline	Sigma	P4417	Also available from other commercial suppliers
Paraformaldehyde	Sigma	P6148	Also available from other commercial suppliers
Sodium tetraborate	Sigma	B9876	Also available from other commercial suppliers
Sucrose	Sigma	S0389	Also available from other commercial suppliers
Agarose	Sigma	A9539	Also available from other commercial suppliers
Super PAP pen liquid blocker	Ted Pella, Inc.	22309	
SlowFade Antifade Kit	Thermo Fisher	S-2828	
Glycerol	Fisher Scientific	10337700	
Mowiol	Millipore	475904	
OCT	Scigen	4583	Also available from other commercial suppliers
Isopentane	Sigma	M32631	Also available from other commercial suppliers
Methanol	Thermo Fisher	10675112	Also available from other commercial suppliers
Hydrochloric acid	Thermo Fisher	10316380	Also available from other commercial suppliers
Microscope slides	VWR	631-0912	
Superfrost microscope slides	VWR	631-0108	
Thermometer	VWR	620-0858	
Cover glass	VWR	631-0137	
Stereo Microscope, Leica MZ16	Leica	not applicable	
Confocal laser scanning microscope LSM710	Zeiss	not applicable	