

Materials List for:

# Time-lapse Imaging of Neuroblast Migration in Acute Slices of the Adult Mouse Forebrain

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URL: <https://www.jove.com/video/4061>

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## Materials

Name	Company	Catalog Number	Comments
Sucrose	Sigma	S9378	
Glucose (ACSF)	EMD	DX0145-3	
NaCl	Sigma	S9625	
KCl	Sigma	P9541	
MgCl <sub>2</sub> x6H <sub>2</sub> O	Sigma-Aldrich	M2670	
NaHCO <sub>3</sub>	Sigma	S5761	
NaH <sub>2</sub> PO <sub>4</sub> xH <sub>2</sub> O	EMD	SX0710-1	
CaCl <sub>2</sub> x2H <sub>2</sub> O	Sigma-Aldrich	C3881	
Dextran TexasRed	Invitrogen	D1864	
Dextran CascadeBlue	Invitrogen	D1976	
Glucose (40X solution)	Sigma	G8769	
Sodium pyruvat	Gibco	11360-070	
HEPES	Sigma	H3375	
HBSS	Gibco	14170-112	
DNase I	Sigma	D-5025	
Trypsin-EDTA	Gibco	25300-054	
Neurobasal medium	Gibco	21103-049	
BSA	EMD	2930	
Pen/Strep	Life Technologies	15140-122	
Ketamine/Xylazine	CDMV	5230	
Pasteur pipette	VWR	14672-380	
15 ml conical tube	Sarstedt	62.553.205	
50 ml conical tube	Sarstedt	62.547.205	
Glass capillaries (stereotaxic injection)	WPI	4878	
Paraffin oil	EMD	PX0045-3	
Proviordine	Rougier	65655-1370	
Suture	Stoelting	50487	
Anafen	CDMV	11508	
20 cc Syringe	VWR	SS-20L2	
Petri dish	VWR	25384-094	
Agar	Laboratoire Mat	AP-0108	
Glue	Permabond	910	
95% O <sub>2</sub> /5% CO <sub>2</sub>	Linde	24068835	

Blade	WPI	501901	
Nylon mesh	Warner Instruments	64-0198	
Centrifuge	Eppendorf	5702 000.019	
Pipette puller	Sutter Instrument	P-97	
Nanoliter injector	WPI	B203MC4	
Stereotaxic injection apparatus	WPI	502900	
Micro drill system	WPI	501819	
Vibratome	Thermo Scientific	920110	
Wide-field fluorescent microscope	Olympus	BX61WIF	
CCD camera	Photometrics	CS-HQ2-D	
Ultra-quiet imaging chamber	Harvard Apparatus	64-1487	
PH-1 Series 20 heater platform	Harvard Apparatus	64-0284	
Heating system	Warner Instruments	TC-344B	
40X water immersion objective	Olympus	1-UM587	
10X water immersion objective	Olympus	1-UM583	
Lambda DG-4	Sutter Instruments	DG-4/OF	
MetaMorph software	Molecular Devices	40000	
Imaris software	Bitplane	BPI-IM70-F1	