

Materials List for:

Ex Vivo Imaging of Postnatal Cerebellar Granule Cell Migration Using Confocal Macroscopy

Magalie Bénard¹, Alexis Lebon¹, Hitoshi Komuro², David Vaudry¹, Ludovic Galas¹

¹PRIMACEN, Cell Imaging Platform of Normandy, Inserm, IRIB, University of Rouen

²Department of Neurobiology, School of Medicine, Yale University

Correspondence to: Ludovic Galas at ludovic.galas@univ-rouen.fr

URL: <https://www.jove.com/video/52810>

DOI: [doi:10.3791/52810](https://doi.org/10.3791/52810)

Materials

Name	Company	Catalog Number	Comments
Dulbecco's modified eagle medium (DMEM) nutrient mixture F-12	Sigma-Aldrich	D8437	
Hank's balanced salt solution 10x	Sigma-Aldrich	H1641	
PACAP38	INRS, Canada		Bourgault <i>et al.</i> , 2009 ¹⁹
PAI-1	Calbiochem	528208	
N-2 supplement	Fisher Scientific / Gibco/ invitrogen	O973	
Cyanoacrylate glue	Loctite		
Cell Tracker Green CMFDA	Invitrogen	C2925	
Polyester Transwell-Clear inserts	Corning	3452	
Penicillin-Streptomycin	Sigma-Aldrich	P0781	
6-well cell culture cluster	Corning	3516	
DMSO	Fisher Scientific	BP231-100	
Tissue culture dish 35 mm diameter	BD Falcon	353004	
Tissue culture dish 100 mm diameter	Thermo SCIENTIFIC	130182	
Polypropylen tube (15 ml)	BD Falcon	352096	
Ethanol 70%	Fisher Chemical	E/0800DF/21	
Biological safety cabinet fume hood	Thermo Scientific	MSC9 Class II A2	
Adjustable-volume pipette (0.5-10 µL)	Eppendorf	4910 000.018	
Gyro-rocker, SSL3	Stuart		
CO ₂ incubator, Hera Cell 150	Thermo Scientific		
Vibrating blade microtome, VT1000S	Leica Microsystems		
Confocal microscope, TCS LSI	Leica Microsystems		
Temperature controller	PeCon		
CO ₂ -controller	PeCon		
Stereomicroscope, M205 C	Leica Microsystems		
Operating scissors, curved, blunt/blunt	Medicon	03.03.17	
Hardened fine iris scissors, straight, sharp/sharp	FST	149090-11	
Dumont #3 and #5 forceps	FST	11293-00 and 11252-20	

Vibratome injector blades/single edge	Leica Microsystems	39053250	
Standard scalpel handle #3 solid	FST	10003-12	
Surgical blade #15	Swann-Morton	205	