

Materials List for:

Mouse Hindbrain *Ex Vivo* Culture to Study Facial Branchiomotor Neuron Migration

Miguel Tillo¹, Quenten Schwarz^{1,2}, Christiana Ruhrberg¹

¹UCL Institute of Ophthalmology, University College London

²Department of Human Immunology, Centre for Cancer Biology, South Australia

Correspondence to: Christiana Ruhrberg at c.ruhrberg@ucl.ac.uk

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Materials

Name	Company	Catalog Number	Comments
Eppendorf round-bottomed reagent tube, 2.0 ml (Safe-Lock)	VWR	211-2120	
Cell culture plates, 12-well	Thermo Scientific	150628	
Plastic cell culture dish, 100 mm	Thermo Scientific	150288	
15 mm Netwell insert with Mesh Polyester Membrane	Corning	3477	
Watchmaker forceps, no. 5	Dumont	91150-20	
Phosphate buffered saline	Sigma	P4417	
Laminin mouse protein	Life Technologies	23017-015	
Primary antibody, Isl1	Developmental Hybridoma Bank	39.4D5	Dilution 1/100
Alexa Fluor 488-conjugated goat anti mouse secondary antibody	Life Technologies	A11029	Dilution 1/200
Neurobasal medium	Life Technologies	21103	
B27 supplement (50x)	Life Technologies	17504-044	
Leibovitz's L-15	Life Technologies	21083-027	
Penicillin/ streptomycin	Life Technologies	15070	
Glucose	VWR	101174Y	
Heat-inactivated goat serum	Sigma	G9023	
Triton X-100	Sigma	T8787	
Paraformaldehyde	Sigma	P6148	
Slowfade Antifade Kit	Life Technologies	S-2828	Alternative mounting solutions may be used
Microscope slides	VWR	631-0912	
Cover glass	VWR	631-0137	
Affi-Gel Heparin Beads	Biorad	153-6173	Glass, latex, or coloured beads may be used alternatively
Recombinant human VEGF165	R&D Systems	293-VE	Resuspend in PBS, store aliquots at -80 °C
Stereo Microscope, Leica MZ16	Leica		
Confocal laser scanning microscope LSM710	Zeiss		