

Materials List for:

Chicken Embryo Spinal Cord Slice Culture Protocol

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Materials

Name	Company	Catalog Number	Comments
Eggs	Henry Stewart Farms, UK		Fertilised Brown Bovan Gold Hen's eggs (Henry Stewart Farms, UK), stored at 14 °C until incubation
21 Gauge needle	BD-Microlance-3	304432	
5 ml syringe	BD Plastipak	302187	
#5 Dumont forceps	Roboz	RS 5045	
Micro Dissecting scissors	Roboz	RS 5910SC	(3.5 in straight)
Embryo embedding moulds: Peel away moulds	Agar Scientific	G3764	Pyramidal shaped 22 mm to 12 mm
Super glue			Power Flex, Loctite
Ethanol	SIGMA	32221	
Sodium di-hydrogen Phosphate, mono-hydrate	BDH	102454R	
Di Sodium mono-hydrogen Phosphate	VWR/ BDH	102494C	
Sodium Chloride	VWR/BDH	27810.295	
Low melting temperature agarose	Invitrogen	16520	
Fetal Bovine serum	Gibco	10500-064	
Triton X-100	SIGMA	T8787	
Sodium Hydroxide	FLUKA	71689	
Paraformaldehyde	VWR/BDH	28794.295	
Plastic disposable pasteur pipettes	EiKay Precision laboratory consumables	127-P503-000	Liquipette 3 ml volume
Hanks Balanced Salt Solution (HBSS)	Gibco	14170	
Sucrose	SIGMA	S0389	
Sodium Hydrogen Carbonate	SIGMA	S5761	
Chicken Embryo Extract	Seralabs	CE650-J	
Penicillin/ Streptomycin solution	Gibco	15070	
L-Glutamine solution	Gibco	25030	
2-mercapt-ethanol	Gibco	21985	
Horse serum	Southern Group Labs	9028B	
B27 supplement	Invitrogen	17504-044	
Neurobasal medium	Gibco	Cat ~ 2103	
CiliaryNeurotrophic factor (CNTF)	R and D Systems	557-NT-010	
Chick Serum	SIGMA	C5405	

Primary antibodies			were purchased from Developmental Studies Hybridoma Bank, with the exception of anti-foxP1 antibodies, which were a kind gift from Bennett Novitch of UCLA. Primary antibodies dilutions were Rabbit anti-FoxP1 (1/32000), Mouse anti-Lhx1/2 (4F2) (1/50), Guinea Pig anti-FoxP1 (1/1000). All antibodies were stored at 4 °C.
Secondary antibodies			Donkey anti-Guinea Pig (cy3) (1:1000) purchased from Jackson ImmunoResearch Laboratories Inc. Donkey anti-Mouse (Alexa Fluor 488) (1:1000), Donkey anti-Rabbit (Alexa Fluor 594) (1:1000) purchased from Invitrogen. All antibodies were stored at 4 °C.
24-well plate	Corning COSTAR	3473	ultralow attachment 24-well plate
O.C.T.	Tissue Tek, Sakura	4583	Optimum Cutting Temperature
Vectashield	Vector Labs	H1000	Vectashield fluorescent mounting medium
Slides	Thermo Scientific		Superfrost-Plus positively-charged slides, 25 x 75 x 1.0 mm
Cover Glass	VWR International	631-0167	25x60 mm
Forced draft incubator:	Lyon Electric Company		kept humid by ensuring water levels always sufficient, maintained at 38 °C
Cryostat	Brite, Huntingdon, UK		-36 °C
Tissue Culture Incubator	DH Autoflow		Nuaire 38 °C, 5% CO ₂
Vibratome	Leica		Leica VT1000-S
Microscope	Nikon		Nikon Eclipse E80i fluorescence microscope
Digital Camera	Nikon		Nikon DS5M and Hamamatsu ORCA ER