

Materials List for:

# Use of pHLuorin to Assess the Dynamics of Axon Guidance Receptors in Cell Culture and in the Chick Embryo

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## Materials

Name	Company	Catalog Number	Comments
COS7 cells	ATCC	CRL-1651	
DMEM GlutaMAX	GIBCO	61965-026	
Sodium pyruvate	GIBCO	11360-039	
Amphotericin B	Sigma	A2942	
Fetal bovine serum	GIBCO	10270-106	
Penicillin/Streptomycin	GIBCO	15140-122	
Exgen500 reagent	Euromedex Fermentas	ET0250	
PBS -Ca <sup>2+</sup> -Mg <sup>2+</sup>	GIBCO	14190-094	
Fast green dye	Sigma	F7252	
32% Paraformaldehyde aqueous solution	Electron Microscopy	15714-S	Dilute extemporaneously in PBS to achieve a 4% solution
Gelatin from cold water fish skin	Sigma	G7041	
Sucrose	Sigma	S0389	
Cryomount	Histolab	00890	
Hoechst 34580	Invitrogen	H21486	
Mowiol 4-88	Fluka	81381	
Consumables			
Bottom-glass 35 mm dish	MatTek	P35G-1.5-14-C	
5 ml Syringe	Terumo	SS-05S	
Needles 0.9 mm x 25 mm	Terumo	NN-2025R	
Capillaries	CML	PP230PO	capillaries are stretched manually in the flame
Superfrost Plus Slides	Thermo Scientific	4951PLUS	
Material			
Curved scissors	FST	129-10	
Microscalpel	FST	10316-14	
Forceps	FST	Dumont #5 REF#11254	
Equipment/software			
Time lapse microscope	Zeiss	Observer 1	
Temp module S	PECON for Zeiss		
CO <sub>2</sub> module S	PECON for Zeiss		
Metamorph software	Metamorph		
Eggs incubator	Sanyo	MIR154	

Electroporator apparatus	Nepa Gene CO., LTD	CUY21	
Electrodes	Nepa Gene CO., LTD	CUY611P7-4	4 mm platinum electrodes
Fluorescence stereomicroscope	LEICA	MZ10F	
Cryostat	MICROM	HM550	
Confocal microscope	Olympus	FV1000, X81	
Fluoview software	Olympus		
CLC Main Workbench software	CLC Bio		