

Materials List for:

Live-imaging of PKC Translocation in Sf9 Cells and in Aplysia Sensory Neurons

Carole A. Farah¹, Wayne S. Sossin¹

¹Neurology and Neurosurgery, McGill University

Correspondence to: Carole A. Farah at carole.abifarah@mcgill.ca

URL: <https://www.jove.com/video/2516>

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Materials

Name	Type	Company	Catalog Number	Comments
Sf9 frozen cells	<i>Spodoptera frugiperda</i> ovarian cells	Invitrogen	B825-01	
Grace's Insect Medium, Supplemented (1X), liquid	Reagent	GIBCO, by Life Technologies	11605-094	Use to culture Sf9 cells
Corning 75cm ² canted neck cell culture flask	Tool	Corning	430720	Use to culture Sf9 cells
Fetal Bovine Serum	Reagent	CanSera	CS-C08-500	Supplement Grace's media with FBS prior to use
Syringe	Tool	BD Biosciences	309604	Use to filter Fast Green solution
Syringe	Tool	BD Biosciences	309602	Use to filter plasmid DNA / Fast Green solution
Filter	Tool	Corning	431229	Use to filter Fast Green solution
Filter	Tool	Corning	431212	Use to filter plasmid DNA / Fast Green solution
Glass Bottom Dish	Tool	MatTek Corp.	P35G-1.5-14-C	Use to culture Sf9 cells prior to transfection and imaging
Cellfectin II Reagent	Reagent	Invitrogen	10362-100	Used to express fluorescently tagged PKCs in Sf9 cells
Fast Green FCF	Reagent	Sigma-Aldrich	F-7252	Use to visualize microinjection of plasmid DNA solution into <i>Aplysia</i> sensory neurons
Thin wall glass capillaries	Tool	World Precision Instruments, Inc.	TW100F-4	Use to make micr-lectrodes for microinjection
Microloader pipette tip	Tool	Eppendorf	CA32950-050	Autoclave before using to fill up the micr-lectrodes for microinjection
PV820 Pneumatic PicoPump	Tool	World Precision Instruments, Inc.	SYS-PV820	Part of microinjection station
Micr-lectrode holder	Tool	World Precision Instruments, Inc.	MPH6S	Use to hold micr-lectrode
Micromanipulator	Tool	Sutter Instrument Co.	MP-85	Use to position micr-lectrode in the three-axis