

Materials List for

Experience-Dependent Remodeling of Juvenile Brain Olfactory Sensory Neuron Synaptic Connectivity in an Early-Life Critical Period

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jove.com/video/66629

Materials

Name	Company	Catalog Number	Comments
For Odor Exposure			
<i>Drosophila</i> vials	Genesee Scientific	32-110	
Ethyl butyrate	Sigma Aldrich	E15701	
Microcentrifuge tubes	Fisher Scientific	05-408-129	
Mineral oil	Sigma Aldrich	M3516	
Odor chambers	Glasslock		
Paint brushes	Winsor & Newton	Series 233	
Parafilm	ThermoFisher	S37440	
Wire mesh	Scienceware	378460000	
Brain Dissection			
Ethanol, 190 proof	Decon Labs	2801	Diluted to 70%
Forceps	Fine Science Tools	11251-30	Dumont #5
Paraformaldehyde	Electron Microscope Sciences	157-8	Diluted to 4%
Petri dishes	Fisher Scientific	08-757-100B	
Phosphate-buffered saline	Thermo Fisher Scientific	70011-044	Diluted to 1x
Sucrose	Fisher Scientific	BP220-1	
Sylgard	Electron Microscope Sciences	24236-10	
Triton-X 100	Fisher Scientific	BP151-100	
Brain Immunocytochemistry			
488 goat anti-chicken	Invitrogen	A11039	
546 goat anti-rat	Invitrogen	A11081	
Bovine serum albumin	Sigma Aldrich	A9647	
Chicken anti-GFP	Abcam	13970	

Coverslips	Avantor	48366-067	25 x 25 mm
Double-sided tape	Scotch	34-8724-5228-8	
Fluoromount-G	Electron Microscope Sciences	17984-25	
Microscope slides	Fisher Scientific	12-544-2	75 x 25 mm
Nail polish	Sally Hansen	109	Xtreme Wear, Invisible
Normal goat serum	Sigma Aldrich	G9023	
Rat anti-CadN	Developmental Studies Hybridoma Bank	AB_528121	
Confocal/Analysis			
Any computer/laptop			
Confocal microscope	Carl Zeiss		Zeiss 510 META
Fiji software	Fiji		Version 2.14.0/1.54f