

Materials List for:

# A Simple One-step Dissection Protocol for Whole-mount Preparation of Adult *Drosophila* Brains

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## Materials

Name	Company	Catalog Number	Comments
w <sup>*</sup> ; park <sup>Δ21</sup> /TM3, P{GAL4-Kr.C}DC2, P{UAS-GFP.S65T}DC10, Sb <sup>1</sup>	Bloomington Drosophila Stock Center	51652	Balancer was switched to TM6B
PBac{WH}park <sup>f01950</sup>	Exelixis at Harvard Medical School	f01950	Balancer was switched to TM6C
NaCl	Fisher Scientific	S640-500	
Sodium Bicarbonate (NaHCO <sub>3</sub> )	Fisher Scientific	02-003-990	
Potassium Chloride (KCl)	Fisher Scientific	BP366-500	
Sodium phosphate, monobasic monohydrate (NaHCO <sub>3</sub> )	Fisher Scientific	02-004-198	
Magnesium Chloride (MgCl <sub>2</sub> )	Fisher Scientific	02-003-265	
D-Sorbitol	Sigma-Aldrich	S1876-500G	Replaces glucose
Calcium chloride dihydrate (CaCl <sub>2</sub> )	Sigma-Aldrich	C5670-500G	
EMD Millipore Durapore PVDF Membrane Filters: Hydrophilic: 0.22 μm Pore Size	Fisher Scientific	GVWP14250	
Formalin Solution, 10% (Histological)	Fisher Scientific	SF98-20	
Potassium Phosphate, Dibasic, Powder, Ultrapure Bioreagent	Fisher Scientific	02-003-823	
Tween-20	Fisher Scientific	BP337-500	
Excelta Precision Tweezers with Very Fine Points	Fisher Scientific	17-456-055	Protocol does not require very fine points.
Anti-Tyrosine Hydroxylase Antibody	Pel-Freez Biologicals	P40101	
Rat-Elav-7E8A10 anti-elav	The Developmental Studies Hybridoma Bank	Clone 7E8A10	
Goat anti-Rat IgG (H+L) Secondary Antibody, Alexa Fluor 647 conjugate	ThermoFisher Scientific	A-21247	
Goat anti-Rabbit IgG (H+L) Secondary Antibody, Alexa Fluor 594 conjugate	ThermoFisher Scientific	A-11037	
DAPI Solution (1 mg/mL)	ThermoFisher Scientific	62248	
Propyl gallate powder	Sigma-Aldrich	P3130-100G	
Glycerol ACS reagent, ≥99.5%	Sigma-Aldrich	G7893-500ML	
Zeiss Axioimager Z1	Zeiss	Quote	

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Zeiss Apotome.2	Zeiss	Quote	
Zen lite software		Quote	