

Materials List for:

Use of Synaptic Zinc Histochemistry to Reveal Different Regions and Laminae in the Developing and Adult Brain

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URL: <https://www.jove.com/video/56547>

DOI: [doi:10.3791/56547](https://doi.org/10.3791/56547)

Materials

Name	Company	Catalog Number	Comments
Euthasol (Euthanasia solution)	Henry Schein	710101	
Sodium selenite	Sigma-Aldrich	214485	
Ketamine (Ketaved)	Henry Schein	48858	100 mg/ml injectables
Xylazine (Anased)	Henry Schein	33198	100 mg/ml injectables
Paraformaldehyde	Sigma-Aldrich	F8775	Dilute to 4%
Gum arabic	Sigma-Aldrich	G9752-500G	
Citric acid	Sigma-Aldrich	C1909	
Sodium citrate	Sigma-Aldrich	W302600	
Hydroquinone	Sigma-Aldrich	H9003	
Silver lactate	Sigma-Aldrich	85210	
Fish gelatine	Sigma-Aldrich	G7765	
Cytochrome c	Sigma-Aldrich	C2506	(Type III, from equine heart)
Catalse	Sigma-Aldrich	C10	
Sucrose	Domino		
Xylene	Fisher Scientific	X5P-1GAL	
Permout	Fisher Scientific	SP15-500	
100% Ethanol	Fisher Scientific	A406-20	Used for dehydration prior to slide mounting
Coverslips	Brain Research Laboratories	#3660-1	
Frosted unsubbed slides	Brain Research Laboratories	#3875-FR	
Microtome	American Optical Company	860	
Microscope	Olympus	BX-60	
Adope Photoshop	Adobe Systems, San Jose, CA		To assemble images
ImageJ	Free software can be downloaded at http://rsb.info.nih.gov/ij/		For densometric measurements
Plastic tray	Any standard plastic tray may be used		to immerse slides in developer solution
Hot plate	Any standard hotplate may be used		