

Materials List for

# Immunolabeling and Counting Ribbon Synapses in Young Adult and Aged Gerbil Cochleae

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jove.com/video/63874

## Materials

Name	Company	Catalog Number	Comments
Albumin Fraction V biotin-free	Carl Roth	0163.2	
anti-CtBP2 (IgG1 monoclonal mouse)	BD Biosciences, Eysins	612044	
anti-GluA2 (IgG2a monoclonal mouse)	Millipore	MAB39	
anti-mouse (IgG1)-AF 488	Molecular Probes Inc.	A21121	
anti-MyosinVIIa (IgG polyclonal rabbit)	Proteus Biosciences	25e6790	
Blade Holder & Breaker - Flat Jaws	Fine Science Tools	10052-11	
Bonn Artery Scissors - Ball Tip	Fine Science Tools	14086-09	
Coverslip thickness 1.5H, 24 x 60 mm	Carl Roth	LH26.1	
Disposable Surgical Blade	Henry Schein	0473	
donkey anti-rabbit (IgG)-AF647	Life Technologies-Molecular Probes	A-31573	
Dumont #5 - Fine Forceps	Fine Science Tools	11254-20	
Dumont #5SF Forceps	Fine Science Tools	11252-00	
Ethanol, absolute 99.8%	Fisher Scientific	12468750	
Ethylenediaminetetraacetic acid	Carl Roth	8040.2	
Excel	Microsoft Corporation		
Feather Double Edge Blade	PLANO	112-9	
G19 Cannula	Henry Schein	9003633	
goat anti-mouse (IgG2a)-AF568	Invitrogen	A-21134	
Heparin	Ratiopharm	N68542.04	
Huygens Essentials	Scientific Volume Imaging		
ImageJ	Fiji		
Immersion Oil, Immersol, Immersion oil 518F	Carl Zeiss	10539438	
Intrafix Primeline Classic, 150 cm (mit Datamatrix Code auf der Sterilverpackung)	Braun	4062957E	
ISM596D	ismatec		peristaltic pump

KL 1600 LED	Schott	150.600	light source for stereomicroscope
Leica Application suite X	Leica Microsystem CMS GmbH		
Leica TCS SP8 system	Leica Microsystem CMS GmbH		
Matlab	The Mathworks Inc.		
Mayo Scissors Tungston Carbide ToghCut	Fine Science Tools	14512-17	
Mini-100 Orbital-Genie	Scientific Industries	SI-M100	for use in cold environment
Narcoren (pentobarbital)	Boehringer Ingelheim Vetmedica GmbH		
Nikon Eclipse Ni-Ei	Nikon		
NIS Elements	Nikon Europe B.V.		
Paraformaldehyde	Carl Roth	0335.3	
Petri dish without vents	Avantor VWR	390-1375	
<b>Phosphate-buffered saline:</b>			
Disodium phosphate	AppliChem	A1046	
Monopotassium phosphate	Carl Roth	3904.1	
Potassium chloride	Carl Roth	6781.1	
Sodium chloride	Sigma Aldrich	31434-M	
Screw Cap Containers	Sarstedt	75.562.300	
Sodium azide	Carl Roth	K305.1	
Student Adson Forceps	Fine Science Tools	91106-12	
Student Halsted-Mosquito Hemostat	Fine Science Tools	91308-12	
Superfrost Adhesion Microscope Slides	Epreia	J1800AMNZ	
Triton X	Carl Roth	3051.2	
TrueBlack Lipofuscin Autofluorescence Quencher	Biotium	23007	
Vannas Spring Scissors, 3mm	Fine Science Tools	15000-00	
Vectashield Antifade Mounting Medium	Vector Laboratories	H-1000	
Vibrax VXR basic	IKA	0002819000	
VX 7 Dish attachment for Vibrax VXR basic	IKA	953300	
Wild TYP 355110 (Stereomicroscope)	Wild Heerbrugg		not available anymore