

Materials List for:

High-Resolution Quantitative Immunogold Analysis of Membrane Receptors at Retinal Ribbon Synapses

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URL: <https://www.jove.com/video/53547>

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Materials

Name	Company	Catalog Number	Comments
Paraformaldehyde	EMS	15710	
Glutaraldehyde	EMS	16019	
NaH ₂ PO ₄	Sigma	S9638	
Na ₂ HPO ₄	Sigma	7782-85-6	
CaCl ₂	Sigma	C-8106	
BSA	Sigma	A-7030	
Triton X-100	Sigma	T-8787	
NaOH	Sigma	221465	
NaN ₃	JT Baker	V015-05	
Glycerol	Gibco BRL	15514-011	
Lowicryl HM 20	Polysciences	15924-1	
Tris-Base	Fisher	BP151-500	
Tris	Fisher	04997-100	
Anti-GluN2A	Millipore	AB1555P	Dilution 1/50
Anti-GluN2B	Millipore	AB1557P	Dilution 1/30
Anti-GluA2/3	Millipore	AB1506	Dilution 1/30
Anti-PSD-95	Millipore	MA1-046	Dilution 1/100
Donkey anti-rabbit IgG-10 nm gold particles	EMS	25704	Dilution 1/20
Donkey anti-mouse IgG-10 nm gold particles	EMS	25814	Dilution 1/20
Donkey anti-mouse IgG-5 nm gold particles	EMS	25812	Dilution 1/20
Donkey anti-goat IgG-18 nm gold particles	Jackson ImmunoResearch	705-215-147	Dilution 1/20
Formvar-Carbon coated nickel-slot grids.	EMS	FCF2010-Ni	
Uranyl acetate	EMS	22400-1	
Methanol	EMS	67-56-1	
Lead citrate	Leica		
Leica EM AFS	Leica		
Leica EM CPC	Leica		
Ultramicrotome	Leica		
JEOL 1200 EM	JEOL		
liquid nitrogen	Roberts Oxygen		

Propane	Roberts Oxygen		
CTB	List Biological Laboratories	104	1 - 1.2%
Anti-CTB	List Biological Laboratories	703	Dilution 1/4,000