

Materials List for:

Visualization of Cortical Modules in Flattened Mammalian Cortices

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URL: <https://www.jove.com/video/56992>

DOI: [doi:10.3791/56992](https://doi.org/10.3791/56992)

Materials

Name	Company	Catalog Number	Comments
Cytochrome oxidase staining			
Cytochrome c from equine heart	Sigma-Aldrich	C2506	
3,3'Diaminobenzidine tetrahydrochloride hydrate	Sigma-Aldrich	D5637	
D(+)-Saccharose	Carl Roth	4621.1	
Ammonium nickel(II) sulfate hexahydrate	Sigma-Aldrich	A1827	
HEPES	Carl Roth	9105.4	
Name	Company	Catalog Number	Comments
Antigen retrieval			
Trisodium citrate dihydrate	Sigma-Aldrich	S1804	
Citric acid monohydrate	Sigma-Aldrich	C1909	
Name	Company	Catalog Number	Comments
Phosphate buffer/phosphate-buffered saline/prefix/PFA			
Potassium dihydrogen phosphate	Carl Roth	3904.2	
Sodium chloride	Carl Roth	9265.1	
Di-Sodium hydrogen phosphate dihydrate	Carl Roth	4984.3	
Paraformaldehyde	Carl Roth	0335.3	
TRITON-X 100	Carl Roth	3051.3	
Name	Company	Catalog Number	Comments
Immunohistochemistry			
Calbindin D-28k purified from chicken gut, Mouse monoclonal	Swant	RRID: AB_10000347	
Calbindin D-28k from recombinant rat calbindin D-28k, Rabbit polyclonal	Swant	RRID: AB_10000340	
Albumin Fraction V, biotin free	Carl Roth	0163.4	
Name	Company	Catalog Number	Comments
Mounting or freezing media			
Fluoromount (immunofluorescence)	Sigma-Aldrich	F4680	
Eukitt (histochemistry)	Sigma-Aldrich	03989	
Tissue freezing medium	Leica Biosystems	NC0696746	

Name	Company	Catalog Number	Comments
Alcohol dehydration			
Ethanol 100%	Carl Roth	9065.3	
Ethanol 96%	Carl Roth	P075.3	
2-Propanol	Carl Roth	6752.4	
Xylene substitute	Fluka	78475	
Name	Company	Catalog Number	Comments
Devices/tools			
Microm HM 650V	Thermo Scientific		
Jung RM2035	Leica Biosystems		
Dumont #55 Forceps - Inox	Fine Science Tools	11255-20	
Dumont #5 Forceps - Inox Biology Tip	Fine Science Tools	11252-30	
Dumont #5SF Forceps - Inox Super Fine Tip	Fine Science Tools	11252-00	
Bone Shears - 24 cm	Fine Science Tools	16150-24	
Friedman Rongeur	Fine Science Tools	16000-14	
Blunt Scissors	Fine Science Tools	14000-18	
Surgical Scissors - Large Loops	Fine Science Tools	14101-14	
Surgical Scissors - Sharp-Blunt	Fine Science Tools	14001-13	
Fine Iris Scissors	Fine Science Tools	14094-11	