

Materials List for

Calcium Imaging in Mouse Superior Colliculus

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URL

jove.com/video/65181

Materials

Name	Company	Catalog Number	Comments
16x objective	Nikon		
50-mm lens	Computar	M5018-MP2	
5-mm coverslip	Warner instruments	CS-5R	
bandpass filter	Chroma Technology	HQ575/250 m-2p	
butyl cyanoacrylate	Vetbond, World Precision Instruments		
camera for monitoring pupil	FLIR	BFS-U3-04S2M-CS	
camera for widefield imaging	Basler	acA2000-165µm	
corona treater	Electro-Technic Products	BD-20AC	
dichroic	Chroma Technology	T600/200dcrb	
galvanometers	Cambridge Technology		
glass bead sterilizer	RWD	RS1502	
microdrill	RWD	78001	
micromanipulator	Sutter Instruments	QUAD	
photomultiplier tube	Hamamatsu	R3896	
rotary encoder	USdigital	MA3-A10-125-N	
self-curing dental adhesive resin cement	SuperBond C&B, Sun Medical Co, Ltd. Moriyama, Japan		
thermostatic heating pad	RWD	69020	
Ti:Sapphire laser	Spectra-Physics	Mai Tai HP DeepSee	
translucent silicone adhesive	Kwik-Sil, World Precision Instruments		
treadmill	Xinglin Biology		
Virus Strains			
rAAV2/9-hsyn-Gcamp6m	Vector Core at Chinese Institute for Brain Research, Beijing		
Animals			
C57BL/6J wild type	Laboratory Animal Resource Center at Chinese Institute for Brain Research, Beijing		
Emx1-Cre	The Jackson Laboratory	5628	

Pals1flox/wt	Christopher A. Walsh Lab		
Software			
ImageJ	NIH Image		
Labview	National Instruments		
MATLAB	Mathworks		