

Materials List for:

# In Vivo Two-Photon Microscopy of Single Nerve Endings in Skin

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## Materials

Name	Company	Catalog Number	Comments
Round cover glass	Electron Microscopy Science	72296-05	5 mm diameter #1.5 thickness
Eye drops Viscotears	Novartis		2 mg/g
Superglue Loctite 401	Henkel	135429	
Ketaminol	Intervet		Ketamine 50 mg/ml, working solution 10 mg/ml (use it 80 µg per gram of animal weight)
Rompun	Bayer Healthcare		Xylazine 20 mg/ml, working solution 1.25 mg/ml (use it 10 µg per gram of animal weight)
Ethanol 70%			
Distilled water or Milli-Q water			
Syringes 1 ml	BD	300013	
30 G 1/2" needles	BD	304000	
Plastic packaging material			Could be purchased from general hardware store
FV-1000MPE microscope	Olympus	FV-1000MPE	Microscope with motorized stage and rigid metal bar for fixation
25X XLPlan objective	Olympus	XLPLN 25XWMP	Water immersion objective optimized for multiphoton imaging
Mai-Tai DeepSee laser (2 W)	SpectraPhysics		
Heating pad	Supertech	TMP-5b	Heating pad with a temperature controller
Metal ring fixator	Neurotar Ltd.		
ImageJ	NIH		Open source software for image processing and analysis, <a href="http://rsbweb.nih.gov/ij/">http://rsbweb.nih.gov/ij/</a>
Thy1-YFP mice strain	JaxLab	003782	