

Materials List for:

Optical Coherence Tomography: Imaging Mouse Retinal Ganglion Cells *In Vivo*

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Materials

Name	Company	Catalog Number	Comments
Mice			
Opa1 ^{delTTAG} mouse	Institute for Neurosciences in Montpellier, INSERM UMR 1051, France	-	Opa1 knock-in mice carrying OPA1 c.2708_2711delTTAG mutation on C57Bl6/J background
Equipment			
EnVisu R2200 SD-OCT Imaging System	Bioptigen, Leica Microsystems, Germany	-	Spectral-Domain Optic Coherence Tomography system
EnVisu R2200 SD-OCT Imaging System Software	Bioptigen, Leica Microsystems, Germany	-	Software for OCT acquisition and analysis
ImageJ 1.48v	Wayne Rasband, National Institutes of Health, USA	-	Software for analysis, requires downloading and installing two homemade macros: http://dev.mri.cnrs.fr/projects/imagej-macros/wiki/Retina_Tool
Self-regulating heating plate	Bioseb, France	BIO-062	Protection against hypothermia
Supplies			
Nose Band	-	-	Elastic band
Gauze pads 3" x 3"	Curad, USA	CUR20434ERB	Protection against hypothermia
Dual Ended Cotton tip applicator	Essence of Beauty, CVS Health Corporation, USA	-	Gel application
Cotton Twists	CentraVet, France	T.7979C.CS	Mouse positioning
Reagents and Drugs			
Néosynéphrine Faure 10%	Laboratoires Europhtha, Monaco	-	Eye dilatation
Mydriaticum 0.5%	Laboratoires Théa, France	3397908	Eye dilatation
Cebesine 0.4%	Laboratoire Chauvin, Bausch&Lomb, France	3192342	Local anesthesia
Imalgene 1000	Merial, France/CentraVet, France	IMA004	General anesthesia
Rompun	Bayer Healthcare, Germany/CentraVet, France	ROM001	General anesthesia, analgesia, muscle relaxation
NaCl 0.9%	Laboratoire Osalia, France	103697114	Physiological serum

Systeme Ultra	Alcon, Novartis, USA	-	Hydration of eyes
GenTeal'	Alcon, Novartis, USA	-	Ophtalmic gel to minimize light refraction and opacities
Aniospray Surf 29	Laboratoires Anios, France	59844	Desinfectant