

Materials List for:

Intravital Microscopy for Imaging Subcellular Structures in Live Mice Expressing Fluorescent Proteins

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Materials

Name	Company	Catalog Number	Comments
Reagent			
Isoflurane (Forane)	Baxter	101936-40	Handle under chemical hood
Ketamine (ketaved)	Fort Dodge Animal Health	57457-034-10	Stock solution 100 mg/ml
Xylazine (Anased)	Akorn, Decatur	61311-481-10	Stock solution 100 mg/ml
Neomycin/Polymyxin B	Bausch and Lomb	24208-785-55	Use to lubricate the eye of the mouse
Carbomer-940	Ashland, Inc.	4607-1	
D-Sorbitol	Sigma-Aldrich	S1876	
Triethanolamine	Sigma-Aldrich	90279	Add drop wise to prevent the solution to solidify
Isoproternol	Sigma-Aldrich	16504	Prepare fresh solutions in saline when needed. Stocks can be stored at -20 °C
Instrument			
Isoflurane V 1.9 (Vaporizer)	Braintree Scientific	190AF	
Portable Downdraft table equipped with HEPA filter	Hazard Technology	PDDT	
Heat lamp, Model HL1	Braintree Scientific	HL-1 US	
MicroTherma 2T Thermometer	Braintree Scientific	TW2	
Operating Scissors (11.5 cm straight)	World Precision Instruments	5003708-12	
#7 curved tip tweezers	World Precision Instruments	14187	
Microscissors	World Precision Instruments	503365	
Black Braided Silk suture #4.0	George Tiemann Co	160-1219-4	
Gauze sponges 2" x 2"	Tyco Healthcare	9022	
Lens cleaning tissue	Olympus	CL-TISSUE (M97) AX6476	