

Three Strategies to Induce Neurotrophic Keratitis and Nerve Regeneration in Murine Cornea

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jove.com/video/66182

Materials

Name	Company	Catalog Number	Comments
0.2 µm syringe filter	CLEARLINE	51733	
0.5 mm rust ring remover	Alger Equipment Company	BU-5S	
2 mL plastic tubes	Eppendorf	30120094	
Algerbrush burr, Complete instrument	Alger Equipment Company	BR2-5	
Anti-beta III Tubulin antibody	Abcam	ab18207	
Antigenfix	Diapath	P0016	
Artificial tear	Larmes artificielles Martinet	N/A	
Buprecare	Animalcare	N/A	
Cotton swab	Any provider	N/A	
Dissecting tools	Fine Science Tools	N/A	
Fluorescein	Merck	103887	
Gelatin from cold water fish skin	Sigma	G7765	
Goat serum	Merck	S26	
Head Holder	Narishige	SGM 4	
Heated plate	BIOSEB LAB instruments	BIO-HE002	
Hoechst 33342	Thermo Fisher Scientific	H3570	
Imalgene 1000	BOEHRINGER INGELHEIM ANIMAL HEALTH France	N/A	French marketing authorization number: FR/V/0167433 4/1992
LAS X software	Leica	N/A	Large volume computational clearing (LVCC) process
Laser Chameleon Ultra II	Coherent	N/A	
Laser power meter	Coherent	N/A	
Leica Thunder Imager Tissue microscope	Leica	N/A	
Multi-photon Zeiss LSM 7MP upright microscope	Zeiss	N/A	
Ocry-gel	TVM lab	N/A	
Parametric oscillator	Coherent	N/A	
Penlights with blue cobalt filtercap	Bernell	ALPEN	

Petri dish	Thermo Scientific	150318	Axotomy protocol
Petridish	Thermo Scientific	150288	Cornea whole-mount processing
Rompun 2%	Elanco	N/A	French marketing authorization nombre: FR/V/8146715 2/1980
Sterile biopsy punch 2.5 mm	LCH medical	LCH-PUK-25	
Triton X-100	VWR	0694	
Vectashield	EuroBioSciences	H-1000	Mounting medium