

Materials List for

Establishment of Central Cord Syndrome Model in C57BL/6J Mouse

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jove.com/video/65028

Materials

Name	Company	Catalog Number	Comments
4% fixative solution	Solarbio	P1110	4%
Anti-Neurofilament heavy polypeptide antibody	Abcam	ab8135	Dilution ratio (1:2000)
Eosin Staining Solution (water soluble)	Biosharp	BL727B	
Ethanol	Fuyu Reagent		
Fluorescent microscope	KEYENCE	BZ-X800	
Frozen Slicer	Leica		
GFAP (GA5) Mouse mAb	Cell Signaling TECHNOLOGY	#3670	Dilution ratio (1:600)
Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488	ThermoFisher SCIENTIFIC	A32723TR	Dilution ratio (1:1000)
Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 594	ThermoFisher SCIENTIFIC	A32740	Dilution ratio (1:1000)
Hematoxylin Staining Solution	Biosharp	BL702A	
Mice	Jinan Pengyue Experimental Animal Company	C57BL/6J	
Microsurgery apparatus	Shandong ULT Biotechnology Co., Ltd	All the surgery instruments are custom-made	Ophthalmic scissors, micro mosquito forceps, microsurgery forceps, micro scissors
Normal sheep serum for blocking (working solution)	Zhong Shan Jin Qiao	ZLI-9022	working solution
O.C.T. Compound	SAKURA	4583	
Phosphate buffered solution (PBS)	Solarbio	P1020	pH 7.2–7.4
Prussian Blue Iron Stain Kit (With Eosin)	Solarbio	G1424	
RWD Laboratory inhalation anesthetic station	RWD Life Science Co., Ltd	R550	
Small animal in vivo microCT imaging system	PerkinElmer	Quantum GX2	

Spinal cord injury coaxial platform	Shandong ULT Biotechnology Co., Ltd	Custom-made(Feng's standard)	https://shop43957633.m.youzan.com/wscgoods/detail/367x5ovgn69q18g?banner_id=f.81386274~goods.7~1~b0yRFKOq&alg_id=0&slg=tagGoodList-default%2COpBottom%2Cuuid%2CabTraceId&components_style_layout=1&reft=1659409105184&spm=g.930111970_f.81386274&alias=367x5ovgn69q18g&from_uuid=1362cc46-ffe0-6886-2c65-01903dbacbba&sf=qq_sm&is_share=1&shopAutoEnter=1&share_cmpt=1&is_silence_auth=1
Surgery microscope	Zumax Medical Co., Ltd.	zumax, OMS2355	
Tris Buffered Saline+Tween (TBST)	Solarbio	T1082	Dilution ratio (1:19)
Xylene	Fuyu Reagent		