

Materials List for:

Circumscribed Capsular Infarct Modeling Using a Photothrombotic Technique

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Materials

Name	Company	Catalog Number	Comments
DC Temperature controller	WORLD PRECISION INSTRUMENTS, INC.	ATC1000	
Digital Stereotaxic Instruments	STOELTING CO.	51900	
Electrical Stimulator	CyberMedic Corp.	EMGFES 2000	
Epoxy	Precision Fiber Products, INC.	PFP-353ND1	Mix Ratio: 10(A):1(B-hardener) by weight Curing Schedule: 1 min @150 °C 2 ~ 5 min @120 °C 5 ~ 10 min @100 °C 15 ~ 30 min @80 °C
Fiber Optic Scribe	THORLABS, INC	S90R	
Fiber patch cable	KOREA OPTRON Corp.		Outer diameter: 3 mm Ø200 µm 0.39 NA FC/PC-FC/PC 1 m
Laser Power Supply	CHANGCHUN NEW INDUSTRIES OPTOELECTRONICS TECH. CO., LTD.	MGL-FN-532nm-200mW-14010196	
Crimp ring	DAWOOTECH CO.,LTD.		Length: 19 mm Inner diameter: 3 mm Outer diameter: 3.8 mm Material: SUS
Micro4-micro syringe pump controller	WORLD PRECISION INSTRUMENTS, INC	95100	
Optical Power Meter	THOLABS, INC	PM100D	
Diamond lapping (polishing) sheet	THORLABS, INC	LF3D	Grit : 3 µm
Diamond lapping (polishing) sheet	THORLABS, INC	LF6D	Grit : 6 µm
Rose Bengal	SIGMA-ALDRICH CO. LLC.	330000	
Needle for spinal anesthesia with pencil point tip (Spinal needle)	B.BRAUN MELSUNGEN AG	4502027	Size: 27 G Length: 88 mm Needle: 0.40 mm
Waterproof sandpaper	DEERFOS CO.,LTD	CC261	Grit : 1,000 µm
Nanofil 10 µl syringe	WORLD PRECISION INSTRUMENTS, INC	NANOFIL	
Nanofil 33 G BVLD needle	WORLD PRECISION INSTRUMENTS, INC	NF33BV-2	
AAV-GFP virus	UNC Vector Core	AAV2-CamKIIa-eYFP	2 x 10 ¹² virus molecules/ml
Anti-Green Fluorescent Protein, Rabbit IgG fraction	Life Technologies, INC	A11122	primary antibody (1:200)

Goat Anti-Rabbit IgG (H + L)	Life Technologies, INC	A11034	secondary antibody (1:500)
Ceftezole	GUJU Pharma CO.,LTD.	A27802741	0.1%, 1 ml
Lidocain hydrochloride injection	JEIL PHARMACEUTICAL CO.,LTD.	A04900271	2%, 1 ml
Hand Piece Drill	Seshin		
Digital optical power and energy meter	THORLABS, INC	PM100D	
Ketoprofen	UNIBIOTech		