

Materials List for:

A Preclinical Model to Assess Brain Recovery After Acute Stroke in Rats

Peng Liu¹, Xiu-Chun Song^{*2}, Xiao-Shuai Yang¹, Qi-Long Cao¹, Yong-Yong Tang¹, Xiao-Dun Liu³, Min Yang¹, Wen-Qiang An¹, Bai-Xiang Dong¹, Xiu-Yun Song¹

¹Beijing Yinfeng Dingcheng Biological Engineering Technology Ltd.

²Hulunbuir People's Hospital

³Shandong Qilu Stem Cell Engineering Co. Ltd.

*These authors contributed equally

Correspondence to: Bai-Xiang Dong at dbx66@sina.com, Xiu-Yun Song at songxiuyun5678@163.com

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Materials

Name	Company	Catalog Number	Comments
Anatomical Microscope	Leica (Germany)	S8	Microscopic operating instrument
Blade	Gellette	/	Cutting brain sections
Constant Temperature Shaking Bed	Taicang Experimental Equipment Factory	THZ-C	To keep the brain sections stained evenly and at a constant temperature
Digital Camera	Canon	700D	For taking pictures of TTC staining
Electric Shaver	Shanghai Yuyan Scientific Instruments Co., Ltd.	3000#	Removal of hair from the neck of rats
Forceps Hamostatic	Shanghai Medical device Co., Ltd.	14 cm	Using for brain removing
Image Pro Plus Software	Media Cybernetics Inc.	6.0	Analyze the infarct volume
Isoflurane	RWD Life Science	217170702	Anesthetic gas
Microforceps	Shanghai Jinzhong Medical Devices Co., Ltd.	10 cm	Vascular micromanipulation
Microshear	Shanghai Jinzhong Medical Devices Co., Ltd.	10 cm	Vascular micromanipulation
Ophthalmic Forceps	Shanghai Jinzhong Medical Devices Co., Ltd.	10 cm	Auxiliary skin and muscle anatomy
Pphthalmic Scissors	Shanghai Jinzhong Medical Devices Co., Ltd.	10 cm	Using for cutting the skin of neck
Rat Brain Slice Mold	Shanghai Yuyan Scientific Instruments Co., Ltd.	400 g	For standard, uniform cutting of brain tissue
Rat Rotating Bar Fatigue Apparatus	Anhui Zhenghua Biological Instrument and Equipment Co., Ltd.	ZH-300B	To test the sensorimotor function
Small Animal Anaesthesia Machine	Shanghai Yuyan Scientific Instruments Co., Ltd.	ABM3000	A gas anesthetic machine
Small Animal Thermostat	Beijing Damida Technology Co., Ltd.	DM.7-YLS-20A	To maintain animal body temperature constant during operation
Surgical Scissors	Shanghai Medical device Co., Ltd.	16 cm	Using for decapitate and brain removing
Suture	Shanghai Jinhuan Medical Devices Co., Ltd.	4-0 / 5-0	Using for skin and muscle sutures / Using for vascular ligations
Thread Bolt	Beijing Cinontech Co. Ltd.	2636/2838/3040/3043-A4	Blockage of the middle cerebral artery in rats
5-triphenyl-2H-tetrazolium chloride (TTC)	Sigma	LOT#BCBP3272V	Brain section staining reagent