

Materials List for:

# Surgical Approach for Middle Cerebral Artery Occlusion and Reperfusion Induced Stroke in Mice

Shantel A. Vital<sup>1</sup>, Felicity N. E. Gavins<sup>1</sup>

<sup>1</sup>Department of Molecular & Cellular Physiology, Health Sciences Center Shreveport, Louisiana State University

Correspondence to: Felicity N. E. Gavins at [fgavin@lsuhsc.edu](mailto:fgavin@lsuhsc.edu)

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## Materials

Name	Company	Catalog Number	Comments
Male C57BL/6 mice	Jackson Laboratory, Bar Harbor, ME	#000664	
Ketamine Hydrochloride	Morris & Dickson, Shreveport, LA	67457-108-10	
Xylazine	Akorn, Inc, Lake Forest, IL	NADA# 139-236	
DC temperature control system	FHC, Bowdoin, ME	40-90-8D	
Mini rectal thermistor probe	FHC, Bowdoin, ME	40-80-5D-02	
Heating pad	FHC, Bowdoin, ME	40-90-2-06	
Clippers	Amazon, Bellevue, WA	#64800	
70% ethanol	Worldwide Medical Products, Bristol, PA	#51011023	
Dissecting microscope	Olympus, Center Valley, PA	SZ40	
Iris scissors (straight)	Fine Science Tools, Foster City, CA	11251-20	
Dumont forceps (45° bent tip)	Fine Science Tools, Foster City, CA	11297-00	
Micro vessel clip	Fine Science Tools, Foster City, CA	18055-05	
Micro dissecting spring scissors (straight)	Fine Science Tools, Foster City, CA	14088-10	
Retractors (blunt)	Fine Science Tools, Foster City, CA	18200-11 (Helen used 17022-13)	
Cotton tipped applicators	Fisher Scientific, Waltham, MA	23-400-100	
Gauze sponges	Covidien, Mansfield, MA	#9023	
7-0 silk braided surgical suture	Braintree Scientific, Braintree, MA	SUT-S103	
0.9% sodium chloride	Morris & Dickson, Lake Forest, IL	0409-4888-20	
6-0 medium MCAO suture (silicon rubber coated monofilament)	Doccol Corporation, Sharon, MA	6023PKRe	
Sofsilik 6-0 silicone coated braided silk	Covidien, Mansfield, MA	SUT-14-1	
Carprofen	Pfizer, New York, NY	NADA# 141-199	
Puralube	Dechra, Norwich, UK	NDC 17033-211-38	
Physitemp temperature controller	Harvard Apparatus, Holliston, MA	TCAT-2AC	
Heat lamp	Harvard Apparatus, Holliston, MA	HL-1	
Laser doppler probe	AD Instruments, Colorado Springs, CO	MSP100XP	
24-well plates	Fisher Scientific, Waltham, MA	#353226	
Phosphate buffered saline (PBS)	Life Technologies, Carlsbad, CA	20012-050	
Single edge razor blades	Fisher Scientific, Waltham, MA	12-640	
2,3,5-triphenyltetrazolium chloride (TTC)	Sigma Aldrich, St. Louis, MO	T8877-50G	

Mouse brain matrix slicer	Braintree Scientific, Braintree, MA	BS-A 5000C	
Water bath	VWR, Radnor, PA	#182	
10% formalin	Sigma Aldrich, St. Louis, MO	HT501128-4L	
ImageJ analysis software	NIH, Bethesda, MD	free download	
Retractor	Medical Device Purchase, Newcastle, CA	MP-740	