

Materials List for

Modeling Stroke in Mice: Transient Middle Cerebral Artery Occlusion via the External Carotid Artery

Gemma Llovera¹, Alba Simats¹, Arthur Liesz^{1,2}

¹Institute for Stroke and Dementia Research, LMU Munich ²Munich Cluster for Systems Neurology (SyNergy)

Corresponding Author

Gemma Llovera

Gemma.Llovera-Garcia@med.uni-muenchen.de

Citation

Llovera, G., Simats, A., Liesz, A. Modeling Stroke in Mice: Transient Middle Cerebral Artery Occlusion via the External Carotid Artery. *J. Vis. Exp.* (171), e62573, doi:10.3791/62573 (2021).

Date Published

May 24, 2021

DOI

10.3791/62573

URL

jove.com/video/62573

Materials

Name	Company	Catalog Number	Comments
45° ramp	H&S Kunststofftechnik		height: 18 cm
5/0 thread	Pearsalls	10C103000	
5 mL Syringe	Braun		
Acetic Acid	Sigma Life Science	695092	
Anesthesia system for isoflurane	Drager		
Bepanthen pomade	Bayer		
C57Bl/6J mice	Charles River	000664	
Clamp	FST	12500-12	
Clip	FST	18055-04	
Clip holder	FST	18057-14	
Cotons	NOBA Verbondmittel Danz	974116	
Cresyl violet	Sigma Life Science	C5042-10G	
Cryostat	Thermo Scientific CryoStarNX70		
Ethanol 70%	CLN Chemikalien Laborbedorf	521005	
Ethanol 96%	CLN Chemikalien Laborbedorf	522078	
Ethanol 99%	CLN Chemikalien Laborbedorf	ETO-5000-99-1	
Filaments	Docol	602112PK5Re	
Fine 45 angled forceps	FST	11251-35	
Fine forceps	FST	11252-23	
Fine Scissors	FST	14094-11	
Glue	Orechseln	BSI-112	
Hardener Glue	Drechseln & Mehr	BSI-151	
Heating blanket	FHC DC Temperature Controller		
Isoflurane	Abbot	B506	
Isopentane	Fluka	59070	
Ketamine	Inresa Arzneimittel GmbH		
Laser Doppler	Perimed	PF 5010 LDPM, Periflux System 5000	

Laser Doppler probe	Perimed	91-00123	
Phosphate Buffered Saline pH: 7.4	Apotheke Innestadt Uni Munchen	P32799	
Recovery chamber	Mediheat		
Roti-Histokit mounting medium	Roth	6638.1	
Saline solution	Braun	131321	
Scalpel	Feather	02.001.30.011	
Silicon-coated filaments	Doccol	602112PK5Re	
Stereomicroscope	Leica	M80	
Superfrost Plus Slides	Thermo Scientific	J1800AMNZ	
Vannas Spring Scissors	FST	15000-00	
Xylacine	Albrecht		