

Materials List for:

# Modeling Stroke in Mice: Permanent Coagulation of the Distal Middle Cerebral Artery

Gemma Llovera<sup>\*1,2</sup>, Stefan Roth<sup>\*1,2</sup>, Nikolaus Plesnila<sup>1,2</sup>, Roland Veltkamp<sup>3,4</sup>, Arthur Liesz<sup>1,2</sup>

<sup>1</sup>Institute for Stroke and Dementia Research, University Hospital Munich

<sup>2</sup>Munich Cluster for Systems Neurology (SyNergy)

<sup>3</sup>Department of Neurology, University Heidelberg

<sup>4</sup>Imperial College, Charing Cross Hospital

\* These authors contributed equally

Correspondence to: Arthur Liesz at [Arthur.Liesz@med.uni-muenchen.de](mailto:Arthur.Liesz@med.uni-muenchen.de)

URL: <https://www.jove.com/video/51729>

DOI: [doi:10.3791/51729](https://doi.org/10.3791/51729)

## Materials

Name	Company	Catalog Number	Comments
Camera Canon Eos 500D	Canon		Optics: 18-55 mm; 30 fps; 640 x 480 video function
Mirror	Kristallform	2677089	30 x 30 cm
Transparent acrylic glass cylinder	H&S Kunststofftechnik		Diameter: 8 cm, height: 25 cm
Heating blanket	FHC DC Temperature Controller		
Fine Scissors	FST	15000-00	
Mayo Scissors	FST	1410-15	
Forceps	FST	11616-15	
Cottons	NOBA Verbondmittel Danz	974116	
Saline solution	Braun	131321	
Bepanthen pommade	Bayer		
Isoflurane	Abbot	B506	
Anesthesia system for isoflurane	Drager		
Stereomikroskop	Zeiss	Stemi DV4	
Electrosurgical device	ERBETOM ICC 80/50 HF-Chirurgiegerät		
Drill	Proxxon	D-34343	
Ketamine	Inresa Arzneimittel GmbH		
Xylacine	Albrecht		
5ml Syringe	Braun		
Phosphate Buffered Saline PH: 7.4	Apotheke Innstadt Uni Munchen	P32799	
Isopentane	Fluka	59070	
Cryostat	Thermo Scientific CryoStarNX70		
Superfrost Plus Slides	Thermo Scientific	J1800AMNZ	
Cresyl violet	Sigma Life Science	C5042-10G	
Acetic acid	Sigma Life Science	695092	
Ethanol 70%	CLN Chemikalien Laborbedarf	521005	
Ethanol 96%	CLN Chemikalien Laborbedarf	522078	
Ethanol 99%	CLN Chemikalien Laborbedarf	ETO-5000-99-1	
Roti-Histokit mounting medium	Roth	6638.1	
C57Bl/6J mice	Charles River	000664	