

Materials List for

# Filament Insertion-based Transient Stroke Model: A Surgical Procedure to Perform Middle Cerebral Artery Occlusion in Murine Brain

1  
?

URL: <https://www.jove.com/video/20807>

DOI: [doi:10.3791/20807](https://doi.org/10.3791/20807)

## Materials

| Name                             | Company                       | Catalog Number                     | Comments      |
|----------------------------------|-------------------------------|------------------------------------|---------------|
| 45° ramp                         | H&S Kunststofftechnik         |                                    | height: 18 cm |
| 5/0 threat                       | Pearsalls                     | 10C103000                          |               |
| 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                           |               |
| Cottons                          | NOBA Verbondmittel Danz       | 974116                             |               |
| 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                              |               |
| Laser Doppler                    | Perimed                       | PF 5010 LDPM, Periflux System 5000 |               |
| Laser Doppler probe              | Perimed                       | 91-00123                           |               |
| Recovery chamber                 | Mediheat                      |                                    |               |
| Silicon-coated filaments         | Docol                         | 602112PK5Re                        |               |
| Vannas Spring Scissors           | FST                           | 15000-00                           |               |