

Materials List for:

# Visualizing Leukocyte Rolling and Adhesion in Angiotensin II-Infused Mice: Techniques and Pitfalls

Jeremy Lagrange<sup>1</sup>, Sabine Kossmann<sup>1,2</sup>, Klytaimnitra Kiouptsi<sup>1</sup>, Philip Wenzel<sup>1,2,3</sup>

<sup>1</sup>Center for Thrombosis and Hemostasis Mainz, University Medical Center Mainz

<sup>2</sup>Center for Cardiology, University Medical Center Mainz

<sup>3</sup>German Center for Cardiovascular Research (DZHK)

Correspondence to: Philip Wenzel at [wenzelp@uni-mainz.de](mailto:wenzelp@uni-mainz.de)

URL: <https://www.jove.com/video/56948>

DOI: [doi:10.3791/56948](https://doi.org/10.3791/56948)

## Materials

| Name                                    | Company                         | Catalog Number                        | Comments                                           |
|-----------------------------------------|---------------------------------|---------------------------------------|----------------------------------------------------|
| Midazolam                               | Ratiopharm GmbH                 |                                       | Anesthesia mix                                     |
| Medetomidine                            | Pfizer Deutschland GmbH         |                                       | Anesthesia mix                                     |
| Fentanyl                                | Janssen-Cilag GmbH              |                                       | Anesthesia mix                                     |
| Alzane                                  | Zoetis                          |                                       | Antisedan mix                                      |
| Flumazenil                              | Hikma pharma                    |                                       | Antisedan mix                                      |
| Braunol                                 | B Braun                         |                                       |                                                    |
| Octeniderm                              | Schülke                         |                                       |                                                    |
| Osmotic pumps                           | Alzet                           | 1007D                                 | Osmotic pump implantation                          |
| Angiotensin II                          | Sigma-Aldrich                   |                                       | Osmotic pump implantation                          |
| 7-0 prolene suture                      | Ethicon                         |                                       | Osmotic pump implantation                          |
| Acridine orange                         | Sigma-Aldrich                   |                                       |                                                    |
| Catheter                                | Smiths Medical Deutschland GmbH |                                       | Inside diameter, 0.28 mm; outer diameter, 0.61 mm  |
| Microscope                              | Olympus                         | BX51WI fluorescence microscope        |                                                    |
| Beam Splitter                           | Photometrics                    | CMR-DV2-SYS - DualView2 MicroImager   |                                                    |
| Objective                               | Olympus                         | UMPLFLN10X                            | Water immersion objective with a monochromator     |
| Camera                                  | Hamamatsu Photonics             | ORCA-R2                               |                                                    |
| Image acquisition and analysis software | Olympus                         | Realtime Imaging System eXcellence RT |                                                    |
| Mice                                    | The Jackson Laboratory          | Jax 008705                            | B6.Cg-Tg(CAG-DsRed,-EGFP)5Gae/J                    |
| Mice                                    | The Jackson Laboratory          | Jax 004781                            | LysM Cre (B6.129P2-Lyz2 <sup>tm1(cre)lfo</sup> /J) |