

Materials List for

Dynamic Measurement and Imaging of Capillaries, Arterioles, and Pericytes in Mouse Heart

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jove.com/video/61566

Materials

| Name | Company | Catalog Number | Comments |
|--------------------------------------|---|-------------------|----------|
| 1 M CaCl ₂ solution | MilliporeSigma, USA | 21115 | |
| 1 M MgCl ₂ solution | MilliporeSigma, USA | M1028 | |
| AxoScope software | Molecular Devices, San Jose, CA, USA | | |
| Chiller/water incubator | FisherScientific, USA | Isotemp 3016S | |
| Confocal | Nikon Instruments, USA | A1R | |
| Custom glass tubing | Drummond Scientific Company | 9-000-3301 | |
| Digidata 1322A | Molecular Devices, San Jose, CA, USA | | |
| Dissecting microscope | Olympus, Japan | SZX12 | |
| Endothelin-1 | MilliporeSigma, USA | E7764 | |
| Forceps | Fine Scientific Tools | 11295-51 | |
| Heparin Sodium Salt | Sigma-Aldrich, USA | H3393 | |
| Inline solution Heater | Warner Instruments, Hamden, CT, USA | SH-27B | |
| Isoflurane | VETone, Idaho, USA | 502017 | |
| Micropipette puller | Sutter Instruments, Novato, CA, USA | P-97 | |
| Micropipette/cannula holder | Warner Instruments, Hamden, CT, USA | 64-0981 | |
| NG2DsRedBAC transgenic mouse | The Jackson Laboratory | #008241 | |
| Nylon thread for tying blood vessels | Living Systems Instrumentation, Burlington, Vt, USA | THR-G | |
| PDMS (polydimethylsiloxane) | SYLGARD, Germantown, WI, USA | 184 SIL ELAST KIT | |
| Peristaltic pump | Gilson, Middleton, WI, USA | minipuls 3 | |
| Pressure Servo Controller | Living Systems Instrumentation, Burlington, Vt, USA | PS-200-S | |
| Scissors | Fine Scientific Tools, Foster City, CA, USA | 15000-10 | |
| Servo Pump | Living Systems Instrumentation, Burlington, Vt, USA | PS-200-P | |

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| Temperature controller | Warner Instruments, Hamden, CT, USA | TC-324B | |
| Wheat Germ Agglutinin, Alexa Fluor 488 Conjugate | ThermoFisher Scientific, Waltham, MA USA | W11261 | |