

Materials List for:

# An Injectable and Drug-loaded Supramolecular Hydrogel for Local Catheter Injection into the Pig Heart

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URL: <https://www.jove.com/video/52450>

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## Materials

| Name                                        | Company                                               | Catalog Number | Comments                                        |
|---------------------------------------------|-------------------------------------------------------|----------------|-------------------------------------------------|
| 1 M HCl                                     |                                                       |                |                                                 |
| 1 M NaOH                                    |                                                       |                |                                                 |
| Polystyrene 24-well plate                   | Falcon                                                | 353047         |                                                 |
| Amiodarone                                  | Cordaron I.V. (Sanofi)                                |                |                                                 |
| Anton Paar Physica MCR501                   | Anton Paar GmbH                                       |                | Equipped with a parallel-plate geometry (25 mm) |
| Atropine                                    | PCH                                                   |                |                                                 |
| Balloon ventilator                          |                                                       |                |                                                 |
| Cary 50 Scan UV-Visible Spectrophotometer   | Varian                                                |                |                                                 |
| Cary Eclipse Fluorescence Spectrophotometer | Varian                                                |                |                                                 |
| Defibrillation patches                      |                                                       |                |                                                 |
| DMSO                                        | Biosolve                                              | 44705          |                                                 |
| Endotracheal tube                           | Covidien                                              |                |                                                 |
| Heparin                                     |                                                       |                |                                                 |
| Ketamine                                    | Narketan 10 Vétoquinol                                |                |                                                 |
| Mapping catheter 115 cm                     | Biosense Webster                                      |                |                                                 |
| Midazolam                                   | Actavis                                               |                |                                                 |
| MilliQ                                      | MD Milipore MilliQ Integral Water Purification System |                |                                                 |
| mRuby2                                      |                                                       |                |                                                 |
| NaCl 0.9% 500 cc                            | Braun                                                 |                |                                                 |
| NOGA guided Myostar injection catheter      | Biosense Webster                                      |                |                                                 |
| NOGA-RefStar EFO-patch                      | Biosense Webster                                      |                |                                                 |
| Pancuronium bromide                         |                                                       |                |                                                 |
| Parafilm                                    | VWR                                                   | IKA3801100     |                                                 |
| PBS                                         | Sigma Aldrich                                         | P4417          |                                                 |
| PET millicel                                | Millipore                                             | PIEP12R48      |                                                 |
| Pirfenidone                                 | Sigma Aldrich                                         | P2116          | Used from 100 mM stock in DMSO                  |
| Sodiumthiopental                            | Inresa                                                |                |                                                 |
| Sufentanil                                  | Sufentanil-Hameln                                     |                |                                                 |

|                                |  |  |  |
|--------------------------------|--|--|--|
| Tegaderm                       |  |  |  |
| UPy-PEG10k                     |  |  |  |
| UV-Lamp                        |  |  |  |
| Vet ointment                   |  |  |  |
| Visipaque contrastfluid 100 cc |  |  |  |