

Materials List for:

Come to the Light Side: *In Vivo* monitoring of *Pseudomonas aeruginosa* biofilm Infections in Chronic Wounds in a Diabetic Hairless Murine Model

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Materials

| Name | Company | Catalog Number | Comments |
|--|-------------------------------------|---------------------|---|
| Opsite | Smith & Nephew | Model 66000041 | Smith & Nephew Flexfix Opsite Transparent Adhesive Film Roll 4" x 11yards |
| SKH-1 mice Crl:SKH1-Hr^{hr} | Charles River Breeding Laboratories | SKH1 | Hairless mice, 8 weeks old |
| Streptozotocin (STZ) | Sigma Aldrich | S0130-1G | Streptozocin powder, 1g |
| AccuChek glucometer | Accu-Chek Roche | Art No. 05046025001 | ACCU-CHEK CompactPlus Diabetes Monitoring Care Kit |
| <i>Pseudomonas aeruginosa</i> Xen 41 | Perkin Elmer | 119229 | Bioluminescent <i>Pseudomonas aeruginosa</i> |
| Polycarbonate membrane filters | Sigma Aldrich | P9199 | Millipore polycarbonate membrane filters with 0.2 µm pore size |
| Dulbelcco phosphate buffer saline (DPBS) | Sigma Aldrich | D8537 | PBS |
| Tryptic soy agar | Sigma Aldrich | 22091 | Culture agar |
| Meloxicam | Henry Schein Animal Health | 49755 | Eloxiject (Meloxicam) 5mg/mL, solution for injection |
| 10% povidone-iodine (Betadine) | Purdue Products LP | 301879-OA | Swabstick, Betadine Solution. Antiseptic. Individ. Wrapped, 200/ case |
| 4% paraformaldehyde | Fisher Scientific | AAJ61899AK | Alfa Aesar Paraformaldehyde, 4% in PBS |
| Capillary glass tube | Fisher Scientific | 22-362-566 | Heparinized Micro-Hematocrit Capillary Tubes |
| Silicone to make splints | Invitrogen Life Technologies Corp | P-18178 | Press-to-Seal Silicone Sheet, 13cm x 18cm, 0.5mm thick, set of 5 sheets |
| Tryptic soy broth | Sigma Aldrich | 22092 | Culture broth |
| IVIS Spectrum | Perkin Elmer | 124262 | In vivo imaging system |
| IVIS Spectrum Isolation chamber | Perkin Elmer | 123997 | XIC-3 animal isolation chamber |
| HEPA filter | Teleflex | 28022 | Gibek ISO-Gard HEPA Light number 28022 |
| Biopsy punches | VWR International Inc | 21909-142 | Disposable Biopsy Punch, 5mm, Sterile, pack of 50. |
| Biopsy punches | VWR International Inc | 21909-140 | Disposable Biopsy Punch, 4mm, Sterile, pack of 50. |
| Glucose | J.T.Baker | 1916-01 | Dextrose, Anhydrous, Powder |
| Citric acid | Sigma Aldrich | C2404-100G | Citric Acid |

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| Mastisol | Eloquest Healthcare | HRI 0496-0523-48 | Mastisol Medical Liquid Adhesive 2/3 mL vial, box of 48 |
| Corning 96-well black plates | Fisher Scientific | 07-200-567 | 96-well clear bottom black polystyrene microplates |
| 25 gauge 5/8 inch needle | BD | 305122 | Regular bevel needle |
| Bransonic M Ultrasonic Cleaning Bath | Branson Ultrasonics | N/A | Ultrasonic Cleaner |