

Materials List for:

# Alveolar Macrophage Phagocytosis and Bacteria Clearance in Mice

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## Materials

| Name                                  | Company                 | Catalog Number     | Comments                                  |
|---------------------------------------|-------------------------|--------------------|-------------------------------------------|
| 18-G Needle                           | Nipro Medical           | CI+1832-2C         | Molecular Biology grade                   |
| 2,7-diaminofluorene (DAF)             | Sigma-Aldrich           | D17106             | Molecular Biology grade                   |
| 70% Ethanol                           | Decon Labs Inc.         | 18C27B             | Analytical grade                          |
| 96-well plate                         | Corning                 | 3603               | Cell Biology grade                        |
| ACK lysis buffer                      | Life Technologies       | A10492             | Molecular Biology grade                   |
| Alexa fluor-488 Zymosan-A-bioparticle | Thermofisher Scientific | Z23373             | Molecular Biology grade                   |
| C5 deficient serum                    | Sigma-Aldrich           | C1163              | Biochemical reagent                       |
| Centrifuge                            | Labnet International    | C0160-R            |                                           |
| Cytospin 4 Cytocentrifuge             | Thermofisher Scientific | A78300101 Issue 11 |                                           |
| DMEM Cell Culture Media               | Gibco                   | 11995-065          | Cell Biology grade                        |
| FBS                                   | Atlanta Biologicals     | S11550             | Cell Biology grade                        |
| Flow Cytometer                        | BD Biosciences          | FACSCalibur        |                                           |
| Flow Jo Software                      | FlowJo, LLC             |                    |                                           |
| Forceps                               | Dumont                  | 0508-SS/45-PS-1    | Suitable for laboratory animal dissection |
| FITC-carboxylated latex beads         | Sigma-Aldrich           | L4530              | Cell Biology grade                        |
| GFP- <i>P. aeruginosa</i>             | ATCC                    | 101045GFP          | Suitable for cell infection assays        |
| Glass bottom dish                     | MatTek Corp.            | P35G-0.170-14-C    | Cell Biology grade                        |
| High-Pressure Syringe                 | Penn-Century            | FMJ-250            | Suitable for laboratory animal use        |
| Homogenizer                           | Omni International      | TH-01              |                                           |
| Hydrogen peroxide                     | Sigma-Aldrich           | H1009              | Analytical grade                          |
| Inverted Fluorescence Microscope      | Olympus                 | IX73               |                                           |
| Ketamine Hydrochloride                | Hospira                 | CA-2904            | Pharmaceutical grade                      |
| Shandon Kwik-Diff Stains              | Thermofisher Scientific | 9990700            | Cell Biology grade                        |
| LB Agar                               | Fisher Scientific       | BP1425             | Molecular Biology grade                   |
| LB Broth                              | Fisher Scientific       | BP1427             | Molecular Biology grade                   |
| MicroSprayer Aerosolizer              | Penn-Century            | IA-1C              | Suitable for laboratory animal use        |
| Paraformaldehyde                      | Sigma-Aldrich           | P6148              | Reagent grade                             |
| PBS                                   | Gibco                   | 20012-027          | Cell Biology grade                        |
| rabbit anti-SRBC-IgG                  | MP Biomedicals          | 55806              | Suitable for immuno-assays                |
| rabbit anti-SRBC-IgM                  | Cedarline Laboratories  | CL9000-M           | Suitable for immuno-assays                |
| Scissors                              | Miltex                  | 5-2                | Suitable for laboratory animal dissection |
| Small Animal Laryngoscope             | Penn-Century            | LS-2               | Suitable for laboratory animal use        |
| Sodium Dodecyl Sulfate (SDS)          | BioRad                  | 1610301            | Analytical grade                          |

|                               |                     |              |                                           |
|-------------------------------|---------------------|--------------|-------------------------------------------|
| Spring Scissors (Med)         | Fine Science Tools  | 15012-12     | Suitable for laboratory animal dissection |
| Spring Scissors (Small)       | Fine Science Tools  | 91500-09     | Suitable for laboratory animal dissection |
| sheep red blood cells (SRBCs) | MP Biomedicals      | 55876        | Washed, preserved SRBCs                   |
| Urea                          | Sigma-Aldrich       | U5378        | Molecular Biology grade                   |
| Xylazine                      | Akorn Animal Health | 59399-110-20 | Pharmaceutical grade                      |