

Materials List for:

Imaging Cell Membrane Injury and Subcellular Processes Involved in Repair

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Materials

| Name | Company | Catalog Number | Comments |
|--|--|--|---|
| HBSS | Sigma | H1387 | Used to prepare CIM (HBSS/10 mM Hepes/2 mM Ca ²⁺ pH 7.4) |
| HEPES | Fisher | BP410 | Used to prepare CIM (HBSS/10 mM Hepes/2 mM Ca ²⁺ pH 7.4) |
| FITC dextran (Lysine fixable) | Invitrogen | D1820 | 2 mg/ml in CIM or PBS |
| Glass beads | Sigma | G8772 | |
| TRITC dextran (Lysine fixable) | Invitrogen | D1818 | 2 mg/ml in CIM or PBS |
| PFA 16% | EMS | 15710 | 4% in PBS |
| Hoechst | Invitrogen | H3570 | 1/10 000 in PBS |
| FM dye | Invitrogen | T3163 | 1 µg/µl in CIM or PBS |
| FITC dextran | Sigma | FD40S | 2 mg/ml in growth medium |
| LAMP1 | Santa Cruz | sc-19992 | 1/300 in growth medium |
| Alexa Fluor 488 chicken anti-rat IgG | Invitrogen | A21470 | 1/500 in blocking solution |
| Mounting media | Dako | S3023 | |
| Coverslips | Fisher | 12-545-86 | |
| Glass bottom petridish | MatTek corporation | P35G-1.0-14-C | |
| Silicone O ring | Bellco | 1943-33315 | |
| Coverslip holder | Bellco | 1943-11111 | |
| Invitrogen | A-7816 | | |
| DMEM | VWR | 12001-566 | |
| FBS | VWR | MP1400-500H | Used for growth medium: 10% FBS, 1% P/S in DMEM |
| Penicillin/Sreptomycin | VWR | 12001-350 | Used for growth medium: 10% FBS, 1% P/S in DMEM |
| Chicken serum | Sigma | C5405 | 5% chicken serum in CIM is used for blocking solution during immunostaining |
| PBS (Ca ²⁺ and Mg ²⁺ free) | VWR | 12001-664 | |
| Epifluorescence microscope | Olympus America, PA | IX81 | |
| TIRF illuminator | Olympus America, PA | Cell [^] TIRF (IEC60825-1:2007) | |
| Epifluorescence illuminator | Sutter Instruments, Novato CA | Lambda DG-4 (DG-4 30) | |
| CCD Camera | Photometrics, Tucson, AZ | Evolve 512 EMCCD | |
| Image acquisition and anaysis software | Intelligent Imaging Innovations, Inc. Denver, CO | Slidebook 5 | |

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|---------------------|---|------------------|--|
| Pulsed laser | Intelligent Imaging Innovations, Inc. Denver, CO | Ablate (3iL13) | |
| Stage top incubator | Tokaihit, Japan | INUBG2ASFP-ZILCS | |