

Materials List for:

The Establishment of a Lung Colonization Assay for Circulating Tumor Cell Visualization in Lung Tissues

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Materials

| Name | Company | Catalog Number | Comments |
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| Material | | | |
| Bovine Serum Albumin (BSA) | Cyrusbioscience (Taipei, Taiwan) | 101-9048-46-8 | |
| Bouin's Fluid | MCC(medical chemical corporation)/POISON | 456-A-1GL | |
| CFSE Proliferation Dye | ebiosciences | 65-0850-85 | Full name: Carboxyfluorescein succinimidyl ester |
| Dulbecco's Modified Eagle Media (DMEM) | (Gibco)ThermoFisher Scientific | 12100-061 | |
| Ethylenediaminetetraacetic acid (EDTA) | Cyrusbioscience (Taipei, Taiwan) | 101-6381-92-6 | For prepared trypsin-EDTA solution(Final concentration: 0.53mM) |
| Fetal bovine serum (FBS) | (Gibco)ThermoFisher Scientific | 10437-028 | |
| Lewis lung carcinoma (LLC) | ATCC, Manassas, VA, USA | CRL-1642 | |
| L-Glutamine, USP | (Gibco)ThermoFisher Scientific | 21051-024 | |
| Potassium chloride (KCl) | Cyrusbioscience (Taipei, Taiwan) | 101-7447-40-7 | For prepared 1X PBS (Final concentration: 2.7mM) |
| Potassium phosphate monobasic (KH ₂ PO ₄) | Cyrusbioscience (Taipei, Taiwan) | 101-7778-77-0 | For prepared 1X PBS (Final concentration: 1.8mM) |
| Sodium chloride (NaCl) | Cyrusbioscience (Taipei, Taiwan) | 101-7647-14-5 | For prepared 1X PBS (Final concentration: 137mM) |
| Sodium phosphate dibasic (Na ₂ HPO ₄) | Cyrusbioscience (Taipei, Taiwan) | 101-10039-32-4 | For prepared 1X PBS (Final concentration: 10mM) |
| Trypan Blue | Sigma Aldrich | T6146 | 0.5 g mix with 100 mL 1X PBS |
| Trypsin | Sigma Aldrich | T4799 | For prepared trypsin-EDTA solution (Final concentration: 5g/L) |
| Zoletil 50 | Virbac | | To dilute with 1X PBS |
| Name | Company | Catalog Number | Comments |
| Equipment | | | |
| Compact Tabletop Centrifuge 2420 | KUBOTA Co. | 2420 | |
| Culture dish (6cm) | Wuxi NEST Biotechnology Co. | 705001 | |
| Disposable syringe (with needle) | Perfect Medical Industry Co. | | 24G/3 cm;3 ml & 26G/0.5 cm;1 ml |
| End over end mixer | C.T.I YOUNG CHENN | TS-20 | For suspended cells recovery |
| FACSCalibur (FACS) | BD biosciences | | |
| Forceps | Dimedra | 10.102.14 | |
| Forma Direct Heat CO ₂ incubator | Thermo Fisher Scientific Inc. | HEPA CLASS 100 | |

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|--|--------------------------------|-----------|---|
| Mouse restrainer (Cylindrical Restrainer 15-30 gm) | Stoelting | 51338 | |
| Multiphoton Confocal Microscope BX61WI | Olympus | FV1000MPE | |
| Neubauer counting chamber | Marienfeld-Superior | 640010 | |
| Surgical scissor | Dimedica | 08.370.11 | |
| Surgical sutures | UNIK SURGICAL SUTURES MFG. CO. | NO. 0034 | Black Braided silk; non-absorbable (25YD; U.S.P. 4/0) |
| 1.5 mL microcentrifuge tube | Wuxi NEST Biotechnology Co. | 615001 | |
| 15 mL Greiner tube | Greiner bio-one | 188271 | |