

Materials List for:

Imaging Cell Interaction in Tracheal Mucosa During Influenza Virus Infection Using Two-photon Intravital Microscopy

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Materials

| Name | Company | Catalog Number | Comments |
|---|-----------------------------|----------------|--|
| Gigasept instru AF | Schülke & Mayr GmbH | | 4% solution |
| CD11c-YFP mice | Jackson Laboratories | 008829 | mice were bred in-house |
| CK6-ECFP mice | Jackson Laboratories | 004218 | mice were bred in-house |
| 1x Dulbecco's Phosphate Buffered Saline modified without Calcium Chloride and Magnesium Chloride | Sigma | D8537-500ML | |
| 10x Dulbecco's Phosphate Buffered Saline modified without Calcium Chloride and Magnesium Chloride | Sigma | D1408-500ML | |
| Percoll PLUS | Sigma | E0414-1L | Store at 4 °C |
| Ketamin Labatec | Labatec Pharma | 7680632310024 | Store at RT, store at 4 °C when in solution of ket/xyl mixture |
| Rompun 2% (Xylazin) | Bayer | 6293841.00.00 | Store at RT, store at 4 °C when in solution of ket/xyl mixture |
| 26 G 1 mL Sub-Q BD Plastipak | BD Plastipak | 305501 | |
| 30 G, 0.3 mL BD Micro-Fine Insulin Syringes | BD | 324826 | |
| Falcon 40 µm Cell Strainer | Corning | 352340 | |
| 2 mL Syringes | BD Plastipak | 300185 | |
| Microlance 3x 18 G needles | BD | 304622 | |
| Introcan Safety 20 G (catheter) | Braun | 4251652.01 | |
| 6 Well Cell Culture Cluster | Costar | 3516 | |
| RPMI medium 1640 + HEPES (1x) | ThermoFisher Scientific | 42401-018 | Store at 4 °C |
| Liberase TL Research Grade | Roche | 5401020001 | Store at -20 °C / collagenase (I and II) mixture |
| DNase I | Amresco (VWR) | 0649-50KU | Store at -20 °C |
| CellTrace Violet stain | ThermoFisher Scientific | C34557 | Store at -20 °C |
| EDTA | Sigma | EDS-500G | |
| Fetal Bovine Serum | Gibco | 10270-106 | Store at -20 °C |
| PE-10 Micro Medical Tubing | 2Biological Instruments SNC | #BB31695-PE/1 | |
| Surgical Plastic Tape | M Plast | | |
| Viscotears | Bausch & Lomb | | Store at RT |
| Plasticine | Ohropax | | |

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|--|-----------------------|--------------|----------------------|
| High Tolerance Glass Coverslip 15 mm Round | Warner Instruments | 64-0733 | |
| SomnoSuite Portable Animal Anesthesia System | Kent Scientific | SS-01 | |
| Nuvo Lite mark 5 | GCE medline | 14111211 | |
| MiniTag (gaseous anesthesia and heating bench) | Tem Sega | | |
| SURGICAL BOARD | University of Bern | | |
| TrimScope II Two-photon microscope | LaVision Biotec | | |
| Chameleon Vision Ti:Sa lasers | Coherent Inc. | | |
| 25X NA 1.05 water immersion objective | Olympus | XLPLN25XWMP2 | |
| The Cube&The Box incubation chamber and temperature controller | Life imaging Services | | |
| Imaris 9.1.0 | Bitplane | | Imaging software |
| GraphPad Prism 7 | GraphPad | | Statistical software |