

Materials List for:

Isolation and Culture of Endothelial Cells from the Embryonic Forebrain

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Materials

| Name | Company | Catalog Number | Comments |
|---|---------------------|----------------|---|
| DNase I | Sigma | D-4527 | |
| Collagen, Type 1 solution from rat tail | Sigma | C3867 | |
| DPBS | Quality Biologicals | 114057-131 | |
| EDTA | Fisher Scientific | M4055 | |
| BSA | Sigma | A2058 | |
| MS column | Miltenyi Biotech | 130-042-201 | |
| CD31 microbeads | Miltenyi Biotech | 130-097-418 | |
| MACS separator | Miltenyi Biotech | 130-042-102 | |
| MACS multi stand | Miltenyi Biotech | 130-042-303 | |
| Cell strainer 70 µm | BD Bioscience | 352350 | |
| Antibiotic and antimycotic solution | Sigma | A5955 | |
| FBS | Sigma | F4135 | |
| Collagenase/Dispase | Roche | 10269638001 | |
| DMEM | Lonza | 12-604F | |
| 35 mm Culture dish | BD Bioscience | 353001 | |
| 15 ml Falcon tube | BD Bioscience | 352097 | |
| 50 ml Falcon tube | BD Bioscience | 352098 | |
| ECCM kit | BD Bioscience | 355054 | Kit Includes Endothelial cell growth supplement, EGF, and Soybean Trypsin Inhibitor |
| Endothelial Cell Growth Supplement (ECGS) | BD Bioscience | 354006 | |
| RBECGM | Cell Applications | R819-500 | |
| DMEM F12 | Life Technologies | 10565-018 | |
| GlutaMAX | Life Technologies | 305050-061 | |
| Tissue culture grade water | Life Technologies | 15230162 | |
| 0.25% Trypsin | Life Technologies | 15050 | |
| Soybean trypsin inhibitor | BD Bioscience | 5425 | |
| Matrigel | BD Bioscience | 354234 | |
| Qtracker 655 Cell Labeling Kit | Life Technologies | Q25021 | |
| CellLight Plasma Membrane-RFP, BacMam 2.0 | Life Technologies | C10608 | |
| Biotinylated Isolectin B4 antibody | Sigma | L2140 | |
| Anti-Von Willebrand factor | Sigma | F3520 | |
| Anti-CD31/PECAM-1 | BD Pharmingen | 550274 | |

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| VECTASHIELD Hardset Mounting Media with DAPI | Vector Laboratories | H-1500 | |
| Ketamine | Butler Schein Animal Health Supply | 44028 | |
| Xylazine | Lloyd Laboratories | 1009 | |
| Stereomicroscope | Motic | SMZ-168 | |
| Hemocytometer | Fisher Scientific | 267110 | |
| Inverted microscope | Olympus CK-40 | CK-40 | |
| Fluorescent microscope | Olympus FSX-100 | FSX-100 | |
| Fine forceps | Roboz Surgical Instrument | 7 inox | |
| Fine microtip scissors | Roboz Surgical Instrument | RS5611 | |