

Materials List for:

# Coculture System with an Organotypic Brain Slice and 3D Spheroid of Carcinoma Cells

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## Materials

| Name                                                                     | Company                                       | Catalog Number                                   | Comments                                     |
|--------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------------|----------------------------------------------|
| Hank's balanced salt solution (HBSS)                                     | Gibco, Darmstadt, Germany                     | 24020                                            |                                              |
| Minimum essential medium (MEM)                                           | Gibco, Darmstadt, Germany                     | 32360                                            |                                              |
| RPML-1640                                                                | PAA Laboratories Inc., Cölbe, Germany         | E15-840                                          |                                              |
| Dulbecco's phosphate buffered saline (PBS)                               | Pan Biotech, Aidenbach, Germany               | P04-36500                                        |                                              |
| Normal horse serum (NHS)                                                 | Invitrogen, Karlsruhe, Germany                | 16050-122                                        |                                              |
| Fetal calf serum (FCS)                                                   | Invitrogen, Karlsruhe, Germany                | 10091148                                         |                                              |
| Glucose                                                                  | B. Braum, Melsungen, Germany                  |                                                  |                                              |
| L-Glutamine-Penicillin-Streptomycin solution                             | Sigma, Steinheim, Germany                     | G1146                                            |                                              |
| Vibratome                                                                | Leica, Wetzlar, Germany                       | Leica VT1200S                                    |                                              |
| Microtome                                                                | Leica, Wetzlar, Germany                       | Leica SM 2000R                                   |                                              |
| Polycarbonate membrane                                                   | BD Falcon, Heidelberg, Germany                | 353090                                           | transwell membrane insert (0.4 µm pore size) |
| ECM gel                                                                  | Trevigen, R&D, Wiesbaden-Nordenstadt, Germany | 3432-005-01                                      | Basement membrane extract                    |
| Metallic spacer                                                          | Kig GmbH, Kerkel, Germany                     | DIN 433                                          |                                              |
| Confocal microscope                                                      | Zeiss, Göttingen, Germany                     | LSM 510                                          |                                              |
| Time-lapse microscope and camera                                         | Leica, Wetzlar, Germany                       | DMI 6000B microscope and a DFC 350 FX CCD camera |                                              |
| Anatomy microscope                                                       | Zeiss, Göttingen, Germany                     | Stemi SV11                                       |                                              |
| Paraformaldehyde                                                         | Merck, Darmstadt, Germany                     | 1.04005.1000                                     |                                              |
| Mouse monoclonal anti-glial fibrillary acidic protein (GFAP) antibody    | Sigma, Steinheim, Germany                     | G3893                                            |                                              |
| Goat anti-mouse IgG, F(ab') <sub>2</sub> -TRITC                          | Santa Cruz, Heidelberg, Germany               | SC3796                                           |                                              |
| Isolectin GS-IB4 from Griffonia simplicifolia, Alexa Fluor 647 conjugate | Invitrogen, Karlsruhe, Germany                | 132450                                           |                                              |
| DAPI (4',6'-diamidino-2-phenylindole dihydrochloride)                    | Sigma, Steinheim, Germany                     | D8417                                            |                                              |
| Fluorescent mounting medium                                              | DAKO, Glostrup, Denmark                       | S3023                                            |                                              |