

Materials List for:

# Live Imaging of Primary Cerebral Cortex Cells Using a 2D Culture System

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## Materials

| Name                                    | Company                      | Catalog Number  | Comments      |
|---|------------------------------|---|---------------|
| Hank's Balanced Salt Solution (HBSS)    | Invitrogen Life Technologies | 14175129  |               |
| HEPES                                   | Sigma-Aldrich                | H3375-25G   |               |
| Penicillin/streptomycin                 | Gibco                        | 15140122  |               |
| Dulbecco Modified Eagle's Medium (DMEM) | Gibco                        | 12400-024   |               |
| Fetal Calf Serum (FCS)                  | Gibco                        | 10437028  |               |
| Glucose                                 | Gibco                        | A2494001  |               |
| B27                                     | Gibco                        | 17504044  |               |
| trypsin-EDTA (0.05%)                    | Gibco                        | 25300054  |               |
| Paraformaldehyde                        | Sigma                        | 16005   |               |
| Goat serum                              | Sigma-Aldrich                | 69023   |               |
| Triton X-100                            | VWR International Ltd.       | 306324N   |               |
| Isoflurane                              | Sigma                        | 792632  |               |
| anti-MAP2, mouse                        | Sigma                        | M4403   |               |
| anti-GFP chicken                        | Aves                         | 0511FP12  |               |
| DAPI                                    | Sigma                        | D9542   |               |
| Goat anti-mouse alexa 594               | Invitrogen                   | A11005  |               |
| Goat anti-chicken alexa 488             | Invitrogen                   | A11039  |               |
| ImageJ                                  | NIH                          |   |               |
| tTt                                     | ETH Zurich                   |   |               |
| Cell observer microscope                | Zeiss                        |   |               |
| Pasteur pipette                         |                              |   |               |
| PBS                                     |                              |   |               |
| The Tracking Tool (tTt) software        |                              | <a href="https://www.bsse.ethz.ch/csd/software/ttt-and-qtfy.html">https://www.bsse.ethz.ch/csd/software/ttt-and-qtfy.html</a> | download link |