

Materials List for:

Harmonic Nanoparticles for Regenerative Research

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Materials

| Name | Company | Catalog Number | Comments |
|--|-------------------------------|-------------------------|---|
| Microscope Incubator | OKO LAB | UNO package (top stage) | 37 °C, 5% CO ₂ , moisturized |
| Multiphoton microscope | Nikon | AR1-MP | |
| Fast scanning, four nonphotomultiplier descanned detectors | | | |
| Filters SHG and autofluorescence | Semrock | FF01-360/12-25 | |
| FF01-395/11-25 | | | |
| FF02-485/20-25 | | | |
| Microscope objectives | Nikon | | |
| CFI Plan Fluor 10X | | | NA 0.30, WD 16 mm |
| CFI Plan Apo 20X | | | NA 0.75, WD 1.0 mm, VC |
| CFI Apo 40X | | | NA 1.25, WD 0.18 mm λS, Nano-Crystal Coat |
| Rhock inhibitor | Sigma | Y-27632 | |
| Knockout DMEM | Invitrogen | 10829 | |
| Knockout Serum | Invitrogen | 10828 | |
| MEM Non-Essential Amino Acids | Invitrogen | 1140 | |
| L-glutamine 200 mM | Invitrogen | 25030 | |
| Penicillin-streptomycin | Invitrogen | 15140 | |
| β-mercaptoethanol | Sigma | M7522 | |
| Collagenase IV | Gibco | 17104-019 | |
| Roller scraper tool | StemPro EZPassage, Invitrogen | 23181-010 | |
| StemPro Accutase | Gibco | S11105-01 | |
| Aggrewell system | StemCell Technologies | 27845 | |
| Hyclone serum | Thermo Scientific | SH30070.03 | |
| Gelatin | Sigma | G9391 | |
| 6-well plates | Falcon | 353046 | |
| 24-well plates | Nunclon | 142475 | |
| Polytetrafluoroethylene (PTFE) filters | Millipore | NA76/25 | |
| Inserts | Millipore | PICM03050 | |