

Materials List for:

# An Ex Vivo Tissue Culture Model of Cartilage Remodeling in Bovine Knee Explants

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## Materials

| Name  | Company              | Catalog Number | Comments        |
|---|----------------------|----------------|-----------------|
| 45% Iron(III) chloride solution   | Sigma-Aldrich        | 12322          |                 |
| Acetic acid   | Merck                | 1.00056.2500   |                 |
| Alamar Blue   | Life tech Invitrogen | DAL1100        |                 |
| Biopsy processing cassettes – green   | IHCWORLD             | BC-0109G       |                 |
| Biopsy punch W/Plunger (3 mm)   | Scandiat             | MTP-33-32      |                 |
| Bovine cartilage (Bovine knees)   | Local slaughterhouse |                |                 |
| C2M   | Nordic Bioscience    |                | Fee for service |
| Corning 96-well plate   | Sigma-Aldrich        | CLS7007        |                 |
| Cover Glass Ø 13 mm   | VWR                  | 631-0150P      |                 |
| DMEM/F12-GlutaMAX Dulbecco's Modified Eagle Medium/Nutrient Mixture F-12) without HEPES | Gibco                | 31331-028      |                 |
| Ethanol ≥96%  | VWR                  | 83804.36       |                 |
| Ethanol absolute ≥99.5%   | VWR                  | 83813.36       |                 |
| exAGNx1   | Nordic Bioscience    |                | Fee for service |
| exPRO-C2  | Nordic Bioscience    |                | Fee for service |
| Fast green  | Sigma-Aldrich        | F7252          |                 |
| Formaldehyde solution 4%  | Merck                | 1004965000     |                 |
| GM6001  | Sigma-Aldrich        | M5939-5MG      |                 |
| Hematoxylin   | Sigma-Aldrich        | H3136          |                 |
| Hydrochloric acid   | Merck                | 30721-M        |                 |
| IGF-1   | Sigma-Aldrich        | I3769-50UG     |                 |
| Oncostatin M  | Sigma-Aldrich        | O9635-10UG     |                 |
| Penicillin-streptomycin (P/S)   | Sigma-Aldrich        | P4333          |                 |
| Pertex (mounting medium for light microscopy)   | HistoLab             | 811            |                 |
| Phosphate Buffered Saline (PBS)   | Sigma-Aldrich        | D8537          |                 |
| Safranin O  | Sigma-Aldrich        | S2255          |                 |
| Sterile Standard Scalpels   | Integra Miltex       | 12-460-451     |                 |
| Sulfuric acid   | Sigma-Aldrich        | 30743          |                 |
| SUPERFROST PLUS Adhesion Microscope Slides  | Thermo scientific    | J1800AMNT      |                 |
| TNF-alpha   | R&D Systems          | 210-TA-100     |                 |

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|-------------------------------------|-------|--------------|--|
| Toluene                             | Merck | 1.08327.2500 |  |
| Vacuum Filtration "rapid"-Filtermax | TPP   | 99955        |  |