

Materials List for

# A TNBS-Induced Rodent Model to Study the Pathogenic Role of Mechanical Stress in Crohn's Disease

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## Materials

| Name                                                                           | Company                  | Catalog Number   | Comments |
|--------------------------------------------------------------------------------|--------------------------|------------------|----------|
| ACT-1 Control Software Ver2.63                                                 | Nikon                    | DXM1200F         |          |
| C1000 Touch Thermal Cycler with 96-Well Fast Reaction Module                   | BIO-RAD                  | 1851196          |          |
| CFX96 Optical Reaction Module for Real-Time PCR Systems                        | BIO-RAD                  | 1845097          |          |
| Dako Agilent Artisan Link Pro Special stainer                                  | Dako                     | AR310            |          |
| Dako-Agilent Masson's Trichrome Kit ref# AR173                                 | Dako                     | AR173            |          |
| DXM1200 Digital Color HR Camera                                                | Nikon                    | DXM1200          |          |
| Eukaryotic 18S rRNA Endogenous Control                                         | ThermoFisher Scientific  | 4352930E         |          |
| E-Z Anesthesia                                                                 | E-Z Systems Inc.         | EZ-155           |          |
| GraphPad Prism 9                                                               | GraphPad                 | 9.0.2 (161)      |          |
| Hard-Shell 96-Well PCR Plates, low profile, thin wall, skirted, white/clear    | BIO-RAD                  | HSP9601          |          |
| HBSS (Corning Hank's Balanced Salt Solution, 1x without calcium and magnesium) | CORNING                  | 21-021-CV        |          |
| HM 325 Microtome                                                               | Thermo Scientific        | 23-900-667       |          |
| Isoflurane                                                                     | Piramal                  | NDC 66794-017-10 |          |
| LI-COR Odyssey Digital Imaging System                                          | LI-COR                   | 9120             |          |
| Mastercycler epGradient Thermal Cycler with Control Panel 5340 Thermal Cycler  | Eppendorf                | 5341             |          |
| Medical grade open end polyurethane catheter                                   | Covidien                 | 8890703013       |          |
| NanoDrop 2000/2000c Spectrophotometers                                         | Thermo Fisher Scientific | ND2000CLAPTOP    |          |

|                                                                                                                                  |                         |          |                              |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------|------------------------------|
| Nikon Eclipse E800 Upright Microscope                                                                                            | Nikon                   | E800     |                              |
| Nitrocellulose/Filter Paper Sandwiches Pkg of 50, 0.45 µm, 7 x 8.5 cm                                                            | BIO-RAD                 | 1620215  |                              |
| Polyethylene Glycol 3350, Osmotic Laxative                                                                                       | Miralax                 | C8175    | Dose: 17g in 226 mL of water |
| RNeasy Mini Kit (250)<br>250 RNeasy Mini Spin Columns,<br>Collection Tubes (1.5 mL and 2 mL),<br>RNase-free Reagents and Buffers | QIAGEN                  | 74106    |                              |
| SuperScript III First-Strand Synthesis System                                                                                    | ThermoFisher Scientific | 18080051 |                              |
| TaqMan Gene Expression Assays<br>Rn00573960_g1 CTGF Probe                                                                        | ThermoFisher Scientific | 4331182  |                              |
| TaqMan Gene Expression Assays<br>Rn99999011_m1 IL6 Probe                                                                         | ThermoFisher Scientific | 4331182  |                              |
| TaqMan Fast Advanced Master Mix                                                                                                  | ThermoFisher Scientific | 4444557  |                              |
| Tissue-Tek Prisma H&E Stain Kit #1                                                                                               | Sakura                  | 6190     |                              |
| Tissue-Tek Prisma <i>Plus</i> Automated Slide Stainer                                                                            | Sakura                  | 6171     |                              |
| TNBS (Picrylsulfonic acid solution)                                                                                              | SIGMA-ALDRICH           | 92822    |                              |