

Materials List for:

# Visualization of Estrogen Receptors in Colons of Mice with TNBS-Induced Crohn's Disease using Immunofluorescence

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## Materials

| Name  | Company                              | Catalog Number | Comments |
|---|--------------------------------------|----------------|----------|
| <b>Animals</b>                              |                                      |                |          |
| BALB/C mice                                 | University of Lodz                   | NA             |          |
| <b>Equipment</b>                            |                                      |                |          |
| Caliper                                     | VWR                                  | 62379-531      |          |
| Cardboard block                             | NA                                   | NA             |          |
| Confocal microscope - TCS SP8               | Leica Biosystems                     | NA             |          |
| Fully automated rotary microtome - RM2255   | Leica Biosystems                     | NA             |          |
| Glass slide                                 | Thermo Scientific                    | J1800BMNT      |          |
| Heated Paraffin Embedding Module - EG1150 H | Leica Biosystems                     | NA             |          |
| Histological box                            | Marfour                              | LN.138747      |          |
| Hydrophobic pen                             | Sigma-Aldrich                        | Z377821        |          |
| Laboratory balance                          | Radwag                               | WL-104-0048    |          |
| LAS X software                              | Leica Biosystems                     | NA             |          |
| Metal mold                                  | Marfour                              | CP.5105        |          |
| Sterile gauze                               | NA                                   | NA             |          |
| Sterile scissor                             | NA                                   | NA             |          |
| Sterile tweezer                             | NA                                   | NA             |          |
| Tissue processor - TP1020                   | Leica Biosystems                     | NA             |          |
| <b>Reagents</b>                             |                                      |                |          |
| 2, 4, 6-trinitrobenzene sulfonic acid       | Sigma-Aldrich                        | 92822          |          |
| Bovine serum albumin                        | Sigma-Aldrich                        | A3294          |          |
| DiOC6 (3)                                   | Sigma-Aldrich                        | 318426         |          |
| DyLight 650 secondary antibody              | Abcam                                | ab96886        |          |
| ER $\alpha$ primary antibody                | Abcam                                | ab75635        |          |
| ER $\beta$ primary antibody                 | Abcam                                | ab3576         |          |
| Ethanol                                     | Avantor Performance Materials Poland | 396480111      |          |
| Formaldehyde                                | Avantor Performance Materials Poland | 432173111      |          |
| GPER primary antibody                       | Abcam                                | ab39742        |          |
| Hydrochloric acid                           | Avantor Performance Materials Poland | 575283421      |          |

|  |   |              |  |
|--|---|--------------|--|
| Hydrogen peroxidase  | Avantor Performance Materials<br>Poland | 885193111    |  |
| isoflurane (forane)  | Baxter                                  | 1001936040   |  |
| Normal goat serum  | Gibco                                   | 16210064     |  |
| Paraffin   | Leica Biosystems                        | 39602012     |  |
| Petrie dish  | Nest Scientific                         | 705001       |  |
| Phosphate buffer saline  | Sigma-Aldrich                           | P3813        |  |
| Physiological saline   | Sigma-Aldrich                           | 7982         |  |
| Primocin (antibiotic)  | Invitrogen                              | ant-pm-1     |  |
| ProLong Diamond Antifade<br>Mountant with DAPI (glycerol-<br>based liquid with DAPI) | Invitrogen                              | P36971       |  |
| Sodium chloride  | Chempur                                 | WE/231-598-3 |  |
| Sodium citrate   | Avantor Performance Materials<br>Poland | 795780429    |  |
| Tris   | Avantor Performance Materials<br>Poland | 853470115    |  |
| Triton X-100   | Sigma-Aldrich                           | T8787        |  |
| Tween 20   | Sigma-Aldrich                           | P9416        |  |
| Xylene   | Avantor Performance Materials<br>Poland | BA0860119    |  |