

**Materials List for:**

# Th17 Inflammation Model of Oropharyngeal Candidiasis in Immunodeficient Mice

Natarajan Bhaskaran<sup>1</sup>, Aaron Weinberg<sup>1</sup>, Pushpa Pandiyan<sup>1</sup>

<sup>1</sup>Department of Biological Sciences, School of Dental Medicine, Case Western Reserve University

Correspondence to: Pushpa Pandiyan at [pxp226@case.edu](mailto:pxp226@case.edu)

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## Materials

| Name                                                   | Company                                                     | Catalog Number | Comments                                           |
|--------------------------------------------------------|-------------------------------------------------------------|----------------|----------------------------------------------------|
| CAF-2                                                  | University of Pittsburgh (Sarah Gaffen)                     | -              | Candida culture                                    |
| U-bottom 96 well plates                                | Fisher                                                      | 055588         | Used for cell culture                              |
| a-CD3                                                  | eBiosciences                                                | 16-0031-85     | Polarization of cells to Th17 conditions           |
| a-CD28                                                 | eBiosciences                                                | 16-0281-85     | Polarization of cells to Th17 conditions           |
| m-IL-6                                                 | Bio Basic                                                   | RC232          | Polarization of cells to Th17 conditions           |
| h-TGF-b                                                | R&D                                                         | 240-B          | Polarization of cells to Th17 conditions           |
| a-IFN-g                                                | eBiosciences                                                | 16-7311-85     | Polarization of cells to Th17 conditions           |
| a-IL-4                                                 | eBiosciences                                                | 16-7041-85     | Polarization of cells to Th17 conditions           |
| α-IL17A ef660                                          | eBiosciences                                                | 50-7177-82     | Used for cell culture - 1:50                       |
| α-TNFα-PE-Cy7                                          | eBiosciences                                                | 25-7423-41     | Used for cell culture - 1:100                      |
| α-RORgt PE                                             | eBiosciences                                                | 12-6981-82     | Used for cell culture - 1:50                       |
| YNB w/o amino acids)/Peptone/<br>Dextrose broth medium | Bio Basic                                                   | S507.SIZE      | Medium for candida growth                          |
| Shaker incubator                                       | New Brunswick Scientific                                    | Innova 4300    | Incubation growth for candida                      |
| 15 ml tubes                                            | Bio Basic                                                   | BT888-SY       | Used for cell culture and candida growth           |
| 50 ml tubes                                            | Bio Basic                                                   | CT 788-YS      | Used for cell culture and candida growth           |
| Table top Centrifuge                                   | VWR International LLC                                       | 82017-654      | For pelleting candida -900 g                       |
| Allegra Centrifuge                                     | Beckman Coulter                                             | 392302         | Cell culture - 480 g                               |
| 1.5 ml eppendorf tubes                                 | Bio Basic                                                   | BT620-NS       | Preparing final concentration of candida           |
| 2x paraformaldehyde                                    | Electron Microscopy Sciences                                | 15710          | Fixing candida for count                           |
| Hemocytometer                                          | VWR International LLC                                       | 15170-172      | Counting cells                                     |
| PBS - Phosphate Buffered Saline                        | Bio Basic                                                   | PD8117         | Preparation of buffers                             |
| Ketamine/xylazine                                      | Case Western Reserve University -<br>Animal Resource Center | -              | Obtained from ARC approved protocol for anesthesia |
| Ophthalmic lubricant ointment                          | Allergan                                                    | -              | Eye ointment for animals to prevent dryness        |
| Saline (0.9% NaCl)                                     | G Biosciences                                               | 786-561        | Administerd to animals to prevent dehydration      |
| 3-mm-diameter cotton wool ball                         | VWR International LLC                                       | BP7603         | 3 mm balls for candida infection                   |

|                                       |                                                          |                  |                                                        |
|---------------------------------------|----------------------------------------------------------|------------------|--------------------------------------------------------|
| Heat gel pads                         | Case Western Reserve University - Animal Resource Center | -                | for maintaining the body temperature and fast recovery |
| Hematoxylin and Eosin staining        | Histoserv - MD                                           | -                | Tissue histology                                       |
| 10% formalin                          | Electron Microscopy Sciences                             | JC1111/MC        | Tissue histology                                       |
| 70% ethanol                           | VWR International LLC                                    | 97064-490        | Sterilization purpose                                  |
| PMA - Phorbol 12-myristate 13-acetate | Sigma-Aldrich                                            | P1585-1MG        | Restimulation of cells                                 |
| Ionomycin                             | Life Technologies                                        | 124222 1mg       | Restimulation of cells                                 |
| Fixation permeabilization kit         | eBiosciences                                             | E16913-106       | Fixing cells for Flow cytometry                        |
| Tuberculin syringes                   | BD Biosciences                                           | 309659           | Mice injection                                         |
| 25 G x 3/8 needles                    | BD Biosciences                                           | 309626           | Mice injection                                         |
| Rag1 -/- mice                         | Jackson laboratories                                     | Stock no: 002216 | Recipient mice                                         |
| CD45.1 congenic mice                  | Jackson laboratories                                     | Stock no:002014  | Donor Th17 cells                                       |
| CB17-SCID mice                        | Jackson laboratories                                     | Stock no: 001303 | Recipient mice                                         |
| Balb/c mice                           | Jackson laboratories                                     | Stock no: 000651 | Donor Th17 cells                                       |