

Materials List for:

A Microscopic Phenotypic Assay for the Quantification of Intracellular Mycobacteria Adapted for High-throughput/High-content Screening

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Materials

| Name | Company | Catalog Number | Comments |
|--|-------------------|----------------|---|
| µclear-plate black, 384-well | Greiner Bio-One | 781091 | 127.8/86/15 MM with Lid, TC treated |
| CellCarrier 384-well plate | PerkinElmer | 6007550 | Black, Clear Bottom, with Lid, TC treated |
| V-bottom white, 384-well plate | Greiner Bio-One | 781280 | |
| sealing tape, breathable, sterile | Corning | 3345 | |
| Lipofectamine RNAiMax | Life Technologies | 13778150 | Transfection reagent |
| Dimethyl sulfoxide | Sigma-Aldrich | 34943 | |
| RPMI 1640 + GlutaMAX-I | Life Technologies | 61870-010 | Cell culture medium |
| D-PBS 1x [-]MgCl ₂ [-]CaCl ₂ | Life Technologies | 14190-094 | Dulbecco's Phosphate Salin Buffer |
| D-PBS 1x [+]MgCl ₂ [+]CaCl ₂ | Life Technologies | 14190-091 | Dulbecco's Phosphate Salin Buffer |
| Fetal bovine serum | Life Technologies | 2610040-79 | |
| Ficoll Paque PLUS | Dutscher | 17-1440-03 | Ficoll for Peripheral Blood Monocyte Cells purification |
| CD14 MicroBeads, human | Miltenyi | 130-050-201 | Purification of CD14+ Monocytes |
| Human M-CSF, premium gr. (1000 µg) | Miltenyi | 130-096-493 | Macrophage Colony Stimulating Factor |
| LS Columns | Miltenyi | 130-042-401 | Columns for CD14+ Monocytes isolation |
| Tween 80 | Euromedex | 2002-A | Mycobacteria culture |
| Glycerol high purity | Euromedex | 50405-EX | Mycobacteria culture |
| Middlebrook OADC enrichment | Becton-Dickinson | 211886 | Mycobacteria culture |
| 7H9 | Becton-Dickinson | W1701P | Mycobacteria culture |
| Versene 1x | Life Technologies | 15040033 | Nonenzymatic cell dissociation solution |
| DAPI | Life Technologies | D1306 | Nuclei dye |
| Hoechst 33342 | Life Technologies | H3570 | Nuclei dye |
| Syto60 | Life Technologies | S11342 | Nuclei/cytoplasm dye |
| Formalin | Sigma-Aldrich | HT5014 | Cell fixation solution |
| siRNA targeting Dectin-1 | Santa-Cruz | sc-63276 | |
| *siGenome* Nontargeted siRNA pool | Dharmacon | D-001206-14 | |
| Rifampicin | Sigma-Aldrich | R3501 | antibiotic |
| Isoniazid (INH) | Sigma-Aldrich | I3377-50G | antibiotic |

| | | | |
|-------------------------------------|-------------------|-----------|--------------------------------------|
| Hygromycin B | Life Technologies | 10687-010 | antibiotic |
| Amikacin | Sigma-Aldrich | A1774 | antibiotic |
| Automated Confocal Microscope OPERA | PerkinElmer | | Image acquisition |
| Columbus 2.3.1 Server Database | PerkinElmer | | Data transfer, storage, and analysis |
| Acapella 2.6 software | PerkinElmer | | Image-based analysis |
| GraphPad Prism5 software | GraphPad | | Statistical analysis |
| Excel 2010 | Microsoft | | Statistical analysis |