

Materials List for:

Rapid Quantification of Mitogen-induced Blastogenesis in T Lymphocytes for Identifying Immunomodulatory Drugs

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Materials

| Name | Company | Catalog Number | Comments |
|--|---------------------------------|----------------|-----------------|
| RPMI-1640 | Lonza | BW12-702F | |
| 40 µm nylon cell strainers | Thermo Fisher Scientific | 22363547 | |
| nylon wool fiber columns | Polysciences, Inc. | 21759-1 | |
| 50 ml conical tubes | The Lab Depot | TLD431697 | |
| 6-well cell culture treated plates | USA Scientific | CC7682-7506 | |
| 96-well cell culture treated plates | Thermo Fisher Scientific | 130188 | |
| Dimethyl sulfoxide (DMSO) | Fisher BioReagents | BP231-100 | |
| CellTiter 96 AQueous One Solution Cell Proliferation Assay | Promega | G3582 | MTS based assay |
| Cyclosporine A | Sigma-Aldrich | 30024 | |
| FK506 | Cayman Chemical Company | 104987-11-3 | |
| Rapamycin | Santa Cruz Biotechnology | sc-3504 | |
| TRAM-34 | Sigma-Aldrich | T6700 | |
| FTY720 | Sigma-Aldrich | SML0700 | |
| Dynabeads Mouse T-Activator CD3/CD28 | Gibco | 11456D | |
| Phorbol 12-myristate 13-acetate (PMA) | Acros Organics | 356150010 | |
| Ionomycin calcium salt | Sigma-Aldrich | I0634 | |
| Penicillin-Streptomycin | MP Biomedicals | ICN1670049 | 100x stock |
| Dulbecco's phosphate buffered saline (DPBS) | HyClone | SH30378.02 | 10x stock |
| 1,4-dithiothreitol (DTT) | Research Products International | 12/3/3483 | reducing agent |
| 8 µm micro particle size standard | Sigma-Aldrich | 84192-5ML-F | Actual 8.02 µm |
| 6 µm micro particle size standard | Sigma-Aldrich | 89756-5ML-F | Actual 6.084 µm |
| Single magnetic separation stand for 1.5 - 2 ml tube | V&P Scientific, Inc. | VP772F5 | |
| Cell culture incubator | Forma Scientific | 3110 | |
| Synergy H1 hybrid reader | Bio Tek | BTH1M | |
| Vi-CELL cell viability analyzer | Beckman Coulter | 731050 | |