

Materials List for:

Multiplex Cytokine Profiling of Stimulated Mouse Splenocytes Using a Cytometric Bead-based Immunoassay Platform

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Materials

Name	Company	Catalog Number	Comments
Allegra 6R Centrifuge with MICROPLUS Carrier Adaptor	Beckman Coulter	366816	For LEGENDplex assays is run in microtubes, V-or U-bottom 96-well plate (optional)
LEGENDplex Mouse T helper Cytokine Panel	BioLegend	740005	Multiplex Immunoassay (13-plex)
Anti-mouse CD3ε antibody	BioLegend	100314	Clone 145-2C11, low endotoxin, azide free format
Anti-mouse CD28 antibody	BioLegend	102112	Clone 37.51, low endotoxin, azide free format
Vacuum Pump	EMD Millipore	WP6111560	For LEGENDplex assays using filter plates (recommended)
Vacuum Manifold	EMD Millipore	MSVMHTS00	For LEGENDplex assays using filter plates (recommended)
Sterile Disposable Reagent Reservoirs	Fisher Scientific	07-200-130	Or equivalent
Polypropylene MicroFACS Tubes	Fisher Scientific	11-842-90	For LEGENDplex assays is run in microtubes, V-or U-bottom 96-well plate (optional)
Pipette Kit	Fisher Scientific	14-388-100	Four pipette sizes (0.2-2µL, 2-20µL, 20-200µL, 100-1000µL)
Multi-Channel Pipette	Fisher Scientific	FA10011G	capable of dispensing 5 µL to 200 µL
Microplate Shaker	Fisher Scientific	88880023	Or equivalent
Microcentrifuge	Fisher Scientific	75002410	Or equivalent
FACS tubes	Fisher Scientific	NC9885747	12 x 75 mm round bottom
PMA (Phorbol 12-myristate 13-acetate)	Sigma-Aldrich	P8139	
Lipopolysaccharide (LPS)	Sigma-Aldrich	L-8274	<i>Escherichia coli</i> O26:B6
Ionomycin	Sigma-Aldrich	I0634	
Branson B200 Ultrasonic Cleaner	Sigma-Aldrich	Z305359	Or equivalent
Microcentrifuge tubes	Sigma-Aldrich	Z666505	1.5 mL polypropylene tubes
Flow Cytometer	Various	Various	Cytometer equipped with single laser (488nm blue) or two lasers (488nm blue or 532nm green + 633nm Red) capable of reading emission wavelengths at 575nm and 660nm
96-Well Polypropylene Plate	VWR	82050-662	For LEGENDplex assays is run in microtubes, V-or U-bottom 96-well plate (optional)