

Materials List for:

An *In Vitro* Model for Measuring Immune Responses to Malaria in the Context of HIV Co-infection

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Materials

Name	Company	Catalog Number	Comments
alanine	Sigma	A7377	
antibodies (see other table)			
BD Cytofix/Cytoperm with BD GolgiPlug	BD	555028	includes brefeldin A, cytofix/cytoperm buffer and perm/wash buffer
BD Vacutainer ACD Solution A	BD	364506	
BD Vacutainer Sodium Heparin	BD	17-1440-02	
DPBS (no calcium, no magnesium)	Corning	21-031-CV	
Fetal Bovine Serum	Sigma	F1051	heat inactivate before use
Ficoll-Paque PLUS	GE Healthcare	17-1440-02	
gentamycin (10 mg/ml)	Gibco	15710-064	
Hema3 Staining Set	Fisher	122-911	
HEPES	Fisher	BP310-500	
hypoxanthine	Sigma	H9636	
ionomycin	Sigma	I3909	
MEM non-essential amino acids (10 mM)	Gibco	11140	
PMA	Sigma	P8139	
RPMI-1640 powder	Life-Technologies	31800-022	
RPMI-1640 with L-glutamine and HEPES	Thermo Scientific	SH30255.01	
sodium bicarbonate (powder, cell culture)	Sigma	S5761	
Sodium Pyruvate (100 mM)	Gibco	11360	
Tris (Trizma base)	Sigma	T6066	
Trizol	Ambion	15596018	
Trypan Blue (0.4%)	Gibco	15250-061	
BD CompBead	BD	552843, 552845	depends on antibodies used
Parasite Gas Mixture	By special order		3% CO ₂ , 1% O ₂ , balance N ₂
Equipment			
0.2 µm filter unit			
Glass slides			
T25 flasks			
T75 flasks			
50 ml tubes			

24 well culture plates			
unplugged Pasteur pipettes			
plugged Pasteur pipettes			
sterile transfer pipettes			
hemocytometer			
flow cytometer (3 laser)			
Antibodies used for flow cytometry			
Anti-TNF	eBiosciences	551487	FITC (fluorophore) 2 µl
Anti-IFN γ	Biolegend	506507	PE (fluorophore) 20 µl
Anti-CD8	Biolegend	300914	PE-Cy7 (fluorophore) 1 µl
Anti-CD14	Biolegend; BD Biosciences	325624; 551487	Biotin (fluorophore) 0.5 µl Streptavidin PE-TR (fluorophore) 0.1 µl
Anti-CD56	Biolegend	318322	PerCP/Cy5.5 (fluorophore) 5 µl
Anti- $\gamma\delta$	Biolegend	331212	APC (fluorophore) 5 µl
Anti-CD3	Biolegend	300426	APC-Cy7 (fluorophore) 5 µl
Anti-CD4	Biolegend	317424	Pacific Blue (fluorophore) 1 µl