

**Materials List for
Generation of an In Vitro Cell Culture Model of Malaria-HIV Co-Infection**

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URL: <https://www.jove.com/video/21717>

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Materials

Name	Company	Catalog Number	Comments
Alanine	Sigma	A7377	
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 (10mg/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 (10mM)	Gibco	11140	
PMA	Sigma	P8139	
RPML-1640 powder	Life-Technologies	31800-022	
RPML-1640 with L-glutamine and HEPES	Thermo Scientific	SH30255.01	
Sodium bicarbonate (powder, cell culture)	Sigma	S5761	
Sodium Pyruvate (100mM)	Gibco	11360	
Tris (Trizma base)	Sigma	T6066	
Trizol	Ambion	15596018	
Trypan Blue (0.4%)	Gibco	15250-061	
Parasite Gas Mixture	By special order		3% CO2, 1% O2, balance N2