

Materials List for:

A Parasite Rescue and Transformation Assay for Antileishmanial Screening Against Intracellular *Leishmania donovani* Amastigotes in THP1 Human Acute Monocytic Leukemia Cell Line

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Materials

Name	Company	Catalog Number	Comments
Phorbol 12-Myristate 13-Acetate (PMA)	Sigma-Aldrich USA	P1585	Required for differentiation of THP1 cells.
RPML-1640 Medium	Invitrogen	23400021	
Lab-Tek Chamber Slide System (16 Chamber)	Thermo Scientific Nunc	178599	
Clear, Flat-Bottom, 96-Well Plates	BD Falcon	353075	Plates to perform 96-well plate assay
Amphotericin B	Sigma-Aldrich USA	A4888	Standard anti-leishmanial drug dissolve in DMSO (2 mg/ml)
Pentamidine Isothionate Salt	Sigma-Aldrich USA	P 0547	Standard anti-leishmanial drug dissolve in DMSO (2 mg/ml)
Miltefosine	EMD Biosciences USA	475841	Standard anti-leishmanial drug dissolve in serum-free RPMI-1640 medium (prepare fresh) (2 mg/ml)
Sodium Stibogluconate	EMD Biosciences USA	567565	Standard anti-leishmanial drug prepare in RPMI-1640 with 4% FBS. (1 mg/ml)
Sodium Dodecyl Sulfate	Sigma-Aldrich USA	L 5750	
Fluorescence Microscope	NIKON	ECLIPSE 90i	
Fluorescence Microplate Reader	BMG	Polar Star Galaxy	
Mounting Medium	Sigma-Aldrich USA	M 1289	
AlamarBlue	AbD Serotec	BUF012 B	
SYBR Green I	Sigma-Aldrich USA	S 9430	
Sodium Bicarbonate	Fisher Sci.	523500	
Sodium Pyruvate	Sigma-Aldrich USA	P2256	
2-Mercapto-ethanol	Sigma-Aldrich USA	M6250	
Fetal Bovine Serum	Atlanta Biologicals	S11050H	
Tween 20	Sigma-Aldrich USA	P9416	
Tween 80	Sigma-Aldrich USA	P6474	
Triton X-100	Sigma-Aldrich USA	T8787	
NP-40	Calbiochem	492016	