

Materials List for:

High Yield Purification of *Plasmodium falciparum* Merozoites For Use in Opsonizing Antibody Assays

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URL: <https://www.jove.com/video/51590>

DOI: [doi:10.3791/51590](https://doi.org/10.3791/51590)

Materials

Name	Company	Catalog Number	Comments
THP-1 cell line	American Type Culture Collection	TIB-202	
RPML-1640	Gibco	31800-089	
Fetal Calf Serum (FCS)	Invitrogen	10099-141	
2-mercapthoethanol	Sigma-Aldrich	M6250-100ML	Use in Fume Hood
Pen/Strep Solution (100x)	Sigma	P0781	
HEPES	SAFC	90909C	Cell culture grade
Hypoxanthine	Calbiochem	4010	
Human Serum	Donation from Australian Red Cross		Available commercially (i.e. Invitrogen)
Sodium bicarbonate (NaHCO ₃)	Merck	1.06329.0500	
Gentamycin	Pfizer	61022027	Injection Quality
Heparin Sodium BP (5000 IU/ml)	Pfizer		Porcine origin
Blasticidin S-hydrochloride	Sigma-Aldrich	15205	
D-Sorbitol	Sigma-Aldrich	50-70-4	
E64 Protease Inhibitor	Sigma-Aldrich	E3132-10MG	
KH ₂ PO ₄	Sigma-Aldrich	98281-100G	Use for phosphate buffer
Na ₂ HPO ₄ ·2H ₂ O	Merck	10383.4G	Use for phosphate buffer
Giemsa's azur eosin methylene blue solution	Merck	1.09204.0500	1:10 dilution in 6.7 mM Phosphate buffer (make fresh each stain)
EDTA disodium salt	Merck	10093.5V	0.1 M, pH 7.2
Acrodisc Syringe Filters 1.2-µm/32-mm	Pall Life Sciences	4656	
QuadroMACS Separator (for small column)	MACS Miltenyi BioTec	130-091-051	Interchangeable with MidiMACS
VarioMACS Separator (for large columns)	MACS Miltenyi BioTec	130-090-282	
MACS MultiStand	MACS Miltenyi BioTec	130-042-303	
LS Column (small magnetic column)	MACS Miltenyi BioTec	130-042-401	
Large magnetic column	MACS Miltenyi BioTec	130-041-305	
Ethidium Bromide	Bio-Rad	1510433	Cytotoxic
CountBright Absolute Counting Beads	Invitrogen	C36950	
BD FACSCalibur Flow Cytometer with HTS plate reader	BD Biosciences		
EDTA disodium salt	Merck	10093.5V	0.1 M, pH 7.2

FlowJo cytometry analysis software	Tree Star		
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