

Materials List for

Ultrastructural Expansion Microscopy in Three *In Vitro* Life Cycle Stages of *Trypanosoma cruzi*

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Materials

Name	Company	Catalog Number	Comments
0.22 micrometers sterile syringe filters PES	Membrane solutions	SFPES030022S	
1 L beaker	Schott Duran	10005227	
1.5-mL SPINWIN Micro Centrifuge Tube	Tarson	T38-500010	
10 mL disposable sterile serynge	NP	66-32	
10 mL serological pipette sterile	Jet Biofil	GSP211010	
12-mm coverslips	Merienfeld GmbH	01 115 20	Round coverslips
12-well plates	Jet Biofil	TCP011012	
22-mm coverslips	Corning	2845-22	Square coverslips
24-well plates	Jet Biofil	TCP-011-024	
250 mL beaker	Schott Duran	C108.1	
3 mL Pasteur pipette	Deltalab	200037	
35-mm glass bottom dishes	Matsunami glass ind	D11130H	
4',6-Diamidine-2'-phenylindole dihydrochloride	Sigma Aldrich	D9542	DAPI
5 ml serological pipette sterile	Jet Biofil	GSP010005	
6-well plates	Sarstedt	83.3920	
Acrlamide	BioRad	1610101	
Ammonium persulfate	Sigma Aldrich	A3678-25G	APS
ATTO 647 NHS ester	BOC Sciences	F10-0107	For pan-proteome labelling
Biosafy Cabinet	Telstar	Bio II A/P	
Bovine Sodium Albumine	Sigma Aldrich	A7906	BSA
CO2 Incubator	Sanyo	MCO-15A	
Confocal Microscope	Zeiss	LSM 880	
Disposable Petridish	Tarsons	460095	90 mm diameter

DMEM, High Glucose	Thermo Fisher Cientific	12100046	Powder
Electronic digital caliper	Radar	RADAR-SLIDE-CALIPER	
Ethanol Absolute	Supelco	1,00,98,31,000	
Fetal Calf Serum	Internegocios SA	FCS FRA 500	Sterile and heat-inactivated
Fiji image processing package	ImageJ		doi:10.1038/nmeth.2019
Formaldehyde 37%	Sigma Aldrich	F8775	FA
Glass Petridish	Marienfeld Superior	PM-3400300	60 mm diameter
Glucosa D(+)	Cicarelli	716214	
Glutaraldehyde 70%	Sigma Aldrich	G7776	
Goat anti-Mouse IgG Secondary Antibody Alexa Fluor 555	Invitrogen	A-21422	
Goat anti-Rabbit IgG Secondary Antibody FICT	Jackson ImmunoResearch	115-095-003	
Graduated cylinder	Nalgene	3663-1000	
Graduated glass flask	Glassco	GL-274.202.01	100 mL
Heating Block	IBR		Made in house
Hemin	Frontier Scientific	H651-9	
Hydrochloric acid 36.8-38.0%	Cicarelli	918110	
Ice bucket	Corning	1167U68	
Incubator	Tecno Dalvo	TOC130	
Liver Infusion	Difco	226920	
Magnetic stirrer and heater	Lab companion	HP-3000	
Metal spatula	SALTTECH	200MM	
Metal tweezers	Marienfeld Superior	PM-6633002	
Methanol absolut	Cicarelli	897110	
Microcentrifuge tube 1.5 mL	Tarson	500010-N	
Microscopy grade paper KimWipes	Kimtech Science	B0013HT2QW	
Milli-Q water sistem	Merk Millipore	IQ-7003	
mouse anti- alpha tubulin clone DM1A	Sigma Aldrich	T9026	
mouse anti-PFR	Purified antibodies		Donated by Dr. Ariel Silber (USP)
N,N'-methylenbisacrilamide	ICN	193997	BIS
Na ₂ HPO ₄	Cicarelli	834214	
Neubauer chamber	Boeco	BOE 01	
p1000 pipette	Gilson	PIPETMAN P1000	
p1000 pipette tips	Tarson	TAR-521020B	
p20 pipette	Gilson	PIPETMAN P20	
p20 pipette tips	Tarson	TAR-527108	
p200 pipette	Gilson	PIPETMAN P200	
p200 pipette tips	Tarson	TAR-521010Y	
Paraformaldehyde	Sigma Aldrich	P6148	PFA
pH / ORP / °C meter	HANNA Instruments	HI 2211	
Poly-D-Lysine 0.1%	Sigma Aldrich	P8920	
Potassium Chloride	Cicarelli	867212	KCl
Razor blade	Printex	BS 2982:1992	
Sealing Film "Parafilm M"	Bemis	PM996	
Sodium Acrylate	Sigma Aldrich	408220-25G	SA
Sodium Bicarbonate	Cicarelli	929211	NaHCO ₃

Sodium Chloride	Cicarelli	750214	NaCl
Sodium Dodecyl Sulfate	BioRad	1610302	SDS
Sodium Hidroxide	Merk	1-06498	NaOH
Sorvall ST 16 Centrifuge	Thermo Fisher Scientific	75004380	
T-25 flasks	Corning	430639	
TEMED	Invitrogen	15524-010	
Tissue paper	Elite		
Triptose	Merck	1106760500	
Tris	BioRad	1610719	
Tween-20	Biopack	2003-07	Polysorbate 20
Vaccum pump	Silfab	N33-A	
Vero cells	ATCC	CRL-1587	
Vortex Mixer	Dragon Lab	MX-S	