

Materials List for

Measuring Dynamic Glycosomal pH Changes in Living *Trypanosoma brucei*

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Materials

Name	Company	Catalog Number	Comments
50 mL Tissue Culture Flasks (Non-treated, sterile)	VWR	10861-572	
75 cm ² Tissue Culture Flask (Non-Treated, sterile)	Corning	431464U	
80 µL flat-bottom 384-well plate	BrandTech	781620	
Amaxa Human T Cell Nucleofactor Kit	Lonza	VPA-1002	
Attune NxT Flow Cytometer	invitrogen by Thermo Fisher Scientific	A24858	FlowJo software
BRANDplates 96-Well, flat bottom plate	Millipore Sigma	BR781662	
Coloc 2 plugin of ImageJ			https://imagej.net/plugins/coloc-2
CytKick Max Auto Sampler	invitrogen by Thermo Fisher Scientific	A42973	
CytoFLEX Flow Cytometer	Beckman-Coulter		
Electron Microscopy Sciences 16% Paraformaldehyde Aqueous Solution, EM Grade, 10 mL Ampoule	Fisher Scientific	50-980-487	
GraphPad Prism			statistical software
Nigericin (sodium salt)	Cayman Chemical	11437	
Nucleofector 2b	Lonza	Discontinued Product	
OP2 Liquid Handler	opentrons	OP2	
poly-L-lysine, 0.1% (w/v) in H ₂ O	Sigma Life Science	CAS:25988-63-0	Pipetting robot for HTS assay
Thiazole Red (TO-PRO-3)	biotium	#40087	We machined a custom acrylic plate stand so this brand of plate could be detected and used on our CytKick Max Auto Sampler
valinomycin	Cayman Chemical	10009152	Pipetting robot for HTS assay

			For pH calibration
			For pH calibration