

Materials List for:

Quantitative Localization of a Golgi Protein by Imaging Its Center of Fluorescence Mass

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Materials

Name	Company	Catalog Number	Comments
fluorescence beads. Commercial name: TetraSpeck beads	Invitrogen	T7279	As multi-color beads to calibrate chromatic-shift of the microscope
Glass coverslip Φ 12 mm (No. 1.5)	Menzel	CB00120RAC	
Glass coverslip Φ 25 mm (No. 1.5)	Menzel		
DMEM	Capricon	DMEM-HPA-P50	
Trypsin-EDTA			
FBS	GE Hyclone	SV30160.03	
Nocodazole	Merck	487928	
transfection reagent. Commercial name: Lipofectamine 2000	Invitrogen	11668-019	
transfection medium. Commercial name: OptiMEM	Invitrogen	31985070	
TPST1-EGFP	Addgene	66617	A gift from D. Stephens (University of Bristol, Bristol, United Kingdom)
GalT-mCherry			Made in our lab
paraformaldehyde	Merck	1.04005.1000	
saponin	Sigma-Aldrich	47036	
poly(vinyl alcohol) (Mw ~31,000). Commercial name: Mowiol-488	CALBIOCHEM	475904	
BSA	Sigma-Aldrich	A9647	
Mouse anti-GM130	BD Biosciences	610823	Primary antibody for human GM130
far-red fluorescence conjugated goat anti-mouse IgG. Commercial name: Alexa Fluor 647 conjugated goat anti-mouse IgG	Invitrogen	A-21235	Far red fluorescence conjugated secondary antibody