

Materials List for:

Photobleaching Enables Super-resolution Imaging of the FtsZ Ring in the Cyanobacterium *Prochlorococcus*

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Materials

Name	Company	Catalog Number	Comments
Polystyrene particles	SpheroTech	PP-20-10	2.0-2.4 μm
Coverslip	Marienfeld	0111580	18 mm #, Thickness No. 1
Ethanol	Scharlau	ET00021000	
Poly-L-lysine hydrobromide	Sigma-Aldrich	P9155	mol wt 70,000-150,000
Paraformaldehyde	Sigma-Aldrich	158127	
Glutaraldehyde solution, 50%	Sigma-Aldrich	340855	
PBS	Sigma	P3813	
Triton X-100	Sigma	T8787	
EDTA Disodium Salt, 2-hydrate	Gold biotechnology	E-210-500	
Trizma base	Sigma	T1503	
Lysozyme	Sigma	L6876	
Goat serum	Sigma	G9023	
anti- <i>Anabaena</i> FtsZ antibody	Agrisera	AS07217	
Goat anti-Rabbit IgG (H+L) Cross-Adsorbed Secondary Antibody	Life Technologies	A-21039	conjugated with Alexa Fluor 750
D-Glucose Anhydrous	Fisher Scientific	D16-1	
L-Ascorbic Acid	Sigma-Aldrich	A5960	
Methyl Viologen	Sigma-Aldrich	856177	
Cyclooctatetraene	Sigma-Aldrich	138924	
tris(2-carboxyethyl)phosphine (TCEP)	Sigma-Aldrich	646547	
Glucose Oxidase	Sigma-Aldrich	G2133	
Catalase	Sigma-Aldrich	C9322	
XD-300 Xenon light source			250 W
STORM microscope	NBI	SRiS microscope	
Rohdea	NBI	SRiS 3.0	software for imaging acquisition
Luna	NBI	SRiS 3.0	software for drifting correction
QuickPALM			https://code.google.com/archive/p/quickpalm/wikis
3D Viewer			http://132.187.25.13/ij3d/?page=Home&category=Home