

Materials List for

Probing Structural and Dynamic Properties of Trafficking Subcellular Nanostructures by Spatiotemporal Fluctuation Spectroscopy

Gianmarco Ferri¹, Fabio Azzarello¹, Francesca D'Autilia², Francesco Cardarelli¹

¹NEST Laboratory, Scuola Normale Superiore ²Center for Nanotechnology Innovation@NEST CNI@NEST

Corresponding Author

Francesco Cardarelli
francesco.cardarelli@sns.it

Citation

Ferri, G., Azzarello, F., D'Autilia, F., Cardarelli, F. Probing Structural and Dynamic Properties of Trafficking Subcellular Nanostructures by Spatiotemporal Fluctuation Spectroscopy. *J. Vis. Exp.* (174), e62790, doi:10.3791/62790 (2021).

Date Published

August 16, 2021

DOI

10.3791/62790

URL

jove.com/video/62790

Materials

Name	Company	Catalog Number	Comments
100x Penicillin-Streptomycin-Glutamine	Gibco	10378-016	Cell medium supplement
C-peptide-EGFP			Plasmid
DMEM High Glucose	Gibco	31053028	Cell medium (HeLa)
FBS	Gibco	10082147	Cell medium supplement
Fluorescein isothiocyanate-dextran 70 kDa	Sigma Aldrich	46945-100MG-F	Reagent
HeLa	ATCC	CCL-61	Cell Line
Lipofectamine 2000	TermoFisher	11668019	Transfection reagent
Lysotracker Red DND-99	Gibco	L7528	Reagent
Matlab	MathWork		Software
Microscope-suitable cell dishes	Willco	GWSt-3522	Petri dishes
Olympus FV1000	Olympus Japan		Confocal microscope
RPMI 1640	Gibco	11835063	Cell medium (INS-1E)