

Materials List for:

TIRFM and pH-sensitive GFP-probes to Evaluate Neurotransmitter Vesicle Dynamics in SH-SY5Y Neuroblastoma Cells: Cell Imaging and Data Analysis

Federica Daniele¹, Eliana S. Di Cairano¹, Stefania Moretti¹, Giovanni Piccoli², Carla Perego^{1,3}

¹Department of Pharmacological and Biomolecular Sciences, Università degli Studi di Milano

²San Raffaele Scientific Institute and Vita-Salute University









³CEND Center of Excellence in Neurodegenerative Diseases, Università degli Studi di Milano

Correspondence to: Carla Perego at carla.perego@unimi.it

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Materials

Name	Company	Catalog Number	Comments
Equipment			
Axio Observer Z1	 Zeiss	491912-9850-000	inverted microscope
Multiline Argon Laser Lasos 77	 Lasos	00000-1312-752	multi-line (458/488/514 nm), 100 mW argon-ion laser
Laser TIRF slider	 Zeiss	423681-9901-000	
100X Objective	 Zeiss	421190-9900-000	Oil, NA 1.45 Alpha-Plan
CCD Camera RetigaSRV Fast 1394	 QImaging		
LAMBDA 10-3 optical filter changer with SmartShutter	 Sutter Instrument Company		
Software			
Image ProPlus 6.3 Software	 Media Cybernetics		spot selection, ROI selection, fluorescence intensity determination
Excel	 Microsoft		photobleaching correction, whole-cell and single-vesicle analyses
GraphPad Prism 4.00	 GraphPad Software, Inc.		statistical analysis