

Materials List for:

Quantification of Endosome and Lysosome Motilities in Cultured Neurons Using Fluorescent Probes

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Materials

Name	Company	Catalog Number	Comments
Neurobasal medium	Thermo Fisher	21103-049	
Dulbecco's modified eagle medium (DMEM)	Wako	044-29765	
Opti-MEM	Thermo Fisher	31985070	Serum free medium
Hank's balanced salt solution (HBSS)	Thermo Fisher	14170112	
Penicilin Streptomycin	Thermo Fisher	15140122	
L-Glutamine	Thermo Fisher	25030081	
B-27 Supplements	Thermo Fisher	17504044	
2.5% Trypsine	Thermo Fisher	15090046	
Poly-D-Lysine hydrobromide (PDL)	Sigma	P7280	
Poly-L-Ornithine (PLO)	Sigma	P4957	
Nylon cell strainer	Corning	431750	
Lipofectamine 2000	Thermo Fisher	11668027	Transfection reagent
Polyethyleneimine "Max" (PEI)	polysciences	24765	Transfection reagent. As an alternative to Lipofectamine2000, 0.1mg/mL Polyethyleneimine dissolved in sterilized water is available. But it is low efficiency and high toxicity.
BIOREVO BZ-9000	Keyence	NA	
Incubation system INUG2-K13	Tokay Hit	NA	
GraphPad Prism version 6.0	GraphPad Software	NA	
Excel version 15	Microsoft	NA	
ImageJ verion 1.47	NA	NA	