

Materials List for:

# Real-time Imaging of Axonal Transport of Quantum Dot-labeled BDNF in Primary Neurons

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## Materials

Name	Company	Catalog Number	Comments
Platinum pfx DNA polymerase	Invitrogen	11708021	
EcoRI	Fermentas	FD0274	
BamHI	Fermentas	FD0054	
HEK293FT cells	Invitrogen	R70007	
DMEM-high glucose media	Mediatech	10-013-CV	
D-biotin	Sigma	B4639	
TurboFect	Fermentas	R0531	
PMSF	Sigma	P7626	
Aprotinin	Sigma	A6279	
Ni-NTA resins	Qiagen	30250	
Protease inhibitors cocktail	Sigma	S8820	
Silver staining kit	G-Biosciences	786-30	
Human recombinant BDNF	Genentech		
Microfluidic chambers	Xona	SND450	
24 x 40 mm No. 1 glass coverslips	VWR	48393-060	
Poly-L-Lysine	Cultrex	3438-100-01	
HBSS	Gibco	14185-052	
DNase I	Roche	10104159001	
Trypsin	Gibco	15090-046	
Neurobasal	Gibco	21103-049	
FBS	Invitrogen	16000-044	
GlutaMax	Invitrogen	35050-061	
B27	Gibco	17504-044	
QD655-streptavidin conjugates	Invitrogen	Q10121MP	
anti-Avi tag antibody	GenScript	A00674	
streptavidin-agarose beads	Life Technology	SA100-04	
Trichloroacetic acid	Sigma	T6399	
HRP-streptavidin	Thermo Scientific	N100	
anti-pTrkB antibody	a generous gift from Dr M. Chao of NYU		
anti-TrkB antibody	BD Science	610101	