

Materials List for:

Ballistic Labeling of Pyramidal Neurons in Brain Slices and in Primary Cell Culture

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Materials

Name	Company	Catalog Number	Comments
20Gx25mm PrecisionGlide needle	BD	305175	
24-well cell culture plate	Costar	3562	
35 mm Glass Bottom Dishes	MatTek Corporation	P35G-1.5-20-C	
Antibiotic-Antimycotic solution	Cellgro	30004CI	100X
B-27 supplement	Life Technologies	17504-044	50X
Barrel liner	BIO-RAD	165-2417	
Borax	Sigma	B9876	
Boric acid	Sigma	B0252	
Cartridge holder	BIO-RAD	165-2426	
Confocal imaging software	Nikon	EZ-C1	version 3.81b
Confocal microscope	Nikon	TE-2000E	
Cover glass	VWR	637-137	
DilC18(3)	Fisher Scientific	D282	
DMEM/F12 medium	Life Technologies	10565-018	
Dumont #5 Forceps	World Precision Instruments	14095	
Dumont #7 Forceps	World Precision Instruments	14097	
F344 rat	(Harlan Laboratories, Indianapolis, IN)		
Glucose	VWR	101174Y	
GlutaMax	Life Technologies	35050-061	100X
HBSS	Sigma	H4641	10X
Helios diffusion screens	BIO-RAD	165-2475	
Helios gene gun kit	BIO-RAD	165-2411	
Helios gene gun system	BIO-RAD	165-2431	
Helium hose assembly	BIO-RAD	165-2412	
Iris Forceps	World Precision Instruments	15914	
Iris Scissors	World Precision Instruments	500216	
Methylene chloride	Fisher Scientific	D150-1	
Neurobasal medium	Life Technologies	21103-049	
NeuroLucida 360 software	mbf bioscience		dendritic spine analysis
Paraformaldehyde	Sigma-Aldrich	158127-500G	
Paraformaldehyde	Sigma	P6148	
Poly-L-Lysine	Sigma	P9155	
Polyvinylpyrrolidone	Fisher Scientific	5295	

ProLong Gold antifade reagent	Fisher Scientific	P36930	mounting medium
Rat brain matrix, 300 - 600g, Coronal, 0.5mm	Ted Pella	15047	
Sevoflurane	Merritt Veterinary Supply	347075	
Sodium Bicarbonate	Life Technologies	25080	
SuperFrost Plus Slides	Fisher Scientific	12-550-154%	
Syringe kit	BIO-RAD	165-2421	
Tefzel tubing	BIO-RAD	165-2441	
Trypsin-EDTA	Life Technologies	15400-054	
Tubing cutter	BIO-RAD	165-2422	
Tubing Prep station	BIO-RAD	165-2418	
Tungsten M-25 Microcarrier 1.7 μ m	BIO-RAD	165-2269	
Vannas Scissors	World Precision Instruments	500086	