

Materials List for:

Regioselective Biolistic Targeting in Organotypic Brain Slices Using a Modified Gene Gun

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Materials

Name	Company	Catalog Number	Comments
Helios gene gun system	Bio Rad	165-2431	Gene gun and tube prep station
HEPES	Sigma	83264-100ML-F	
NaCl	Sigma	S7653-250G	
KCl	Sigma	P9333-500G	
Na ₂ HPO ₄	Sigma	S7907-100G	
KH ₂ PO ₄	Sigma	P9791-100G	
0.2 µm sterile filter unit	Millipore	SCGPU05RE	to filter media
DMEM	Gibco	21885-025	
Fetal calf serum	Gibco	10270-098	
D-Glucose	Sigma	G8270-100G	
N ₂	Life Technologies	17502-048	
Penicillin/Streptomycin	Sigma	p4333	
Polyvinylpyrrolidone	Sigma	856568-100G	
Ethanol	Sigma	277649-100ML	
Spermidine	Sigma	S2626	
Agarose	Bio Rad	161-3100EDU	
Vibroslicer	Laica	VT1200	We used a custom design
Gene gun mount			Built in house at U of T
Humidified cell culture incubator			
Gold nanoparticles	cytodiagnosics	G-40-20	
pEYFP-N1	Clontech		
Tubing cutter	Bio Rad	165-2422	
Tefzel tubing	Bio Rad	165-2441	
Barrel			Custom made by the LMB
Cell culture insert	Millipore	PICM0RG50	
Paraformaldehyde	Sigma	76240 Fluka	
Dissecting microscope			for convenience
Confocal microscope			user defined for usage
Glass slide	VWR	2588-CA48323-185	
Microcover glass	VWR	2448-CA48366-067-1	
Vectashield mounting media	Vector laboratories	H-1400	