

Materials List for:

Fast Micro-iontophoresis of Glutamate and GABA: A Useful Tool to Investigate Synaptic Integration

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Materials

Name	Company	Catalog Number	Comments
			Material
Two-photon laser scanning microscope (TRIM Scope II), and Ultima IV, Prairie Technologies, Middleton, Wisconsin)	LaVision Biotec, Bielefeld, Germany		
Two-photon laser scanning microscope Ultima IV	Prairie Technologies, Middleton, Wisconsin, USA		
Ti:Sapphire ultrafast-pulsed laser	Chameleon Ultra II, Coherent		
60X Objective, NA 0.9	Olympus		
Zeiss Axioskop 2 FS upright microscope	TILLPhotonics, Gräfelfing, Germany		
Monochromator	TILLPhotonics, Gräfelfing, Germany		
Micro-iontophoresis system MVCS-02	NPI Electronics, Tamm, Germany		
Sutter puller P-97	Sutter Instrument Company, Novato, CA		
Glass filaments (150 GB F 8P)	Science Products, Hofheim, Germany		
			Reagent
Alexa Fluor 488 hydrazide	Molecular Probes life technologies	A-10436	
Alexa Fluor 594	Molecular Probes life technologies	A-10438	
NaCl	Sigma Aldrich	S7653	
KCl	Sigma Aldrich	P9333	
NaH ₂ PO ₄	Sigma Aldrich	S8282	
NaHCO ₃	Sigma Aldrich	S6297	
Sucrose	Sigma Aldrich	S7903	
CaCl ₂	Sigma Aldrich	C5080	
MgCl ₂	Sigma Aldrich	M2670	
Glucose	Sigma Aldrich	G7528	
K-Gluconate	Sigma Aldrich	G4500	
HEPES-acid	Sigma Aldrich	H4034	
Phosphocreatin	Sigma Aldrich	P7936	
EGTA	Sigma Aldrich	E3889	
Glutamic acid	Sigma Aldrich	G8415	
GABA	Sigma Aldrich	A5835	

NaOH	Merck	1.09137.1000	
HCl	Merck	1.09108.1000	