

Materials List for:

Isolation of CA1 Nuclear Enriched Fractions from Hippocampal Slices to Study Activity-dependent Nuclear Import of Synapto-nuclear Messenger Proteins

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Materials

Name	Company	Catalog Number	Comments
Equipment			
CED 1401 AD/DA converter	Cambridge Electronics Design, UK		
Stereomicroscope	Leica S4E, Germany		
Vibrotome	Leica VT1000S, Germany		
Isolated pulse stimulator	A-M Systems, USA		Model 2100
Centrifuge	Thermo Scientific		
SDS-PAGE system	Biorad		
Cooler	Julabo		
Bright field Microscope	Nikon Eclipse TS100		
Cell culture incubator	Thermo Electron Corporation		
Micromanipulator	Luigs & Neumann, SM-5, Germany		
Blotting chamber and electric power supplier	Hoefer Scientific Instruments, San Francisco, CA		
Submerged type recording chamber	custom made		
U-shape and submerged type incubator	custom made		
Small surgical scissors			
Scalpel			
Thin spatula			
Plastic Pasteur pipette			
Plastic culture dish			
Bunsen beaker			
Syringe			
Reagents			
NaCl	Roth	Art.-Nr.3957.1	≥99.5%, p.a., ACS, ISO
KCl	Roth	Art.-Nr.6781.1	≥99.5%, p.a., ACS, ISO
CaCl ₂ ·2H ₂ O	Merck	1.02382.0500	pro analysis
MgSO ₄ ·2H ₂ O	Merck	5886.05	pro analysis
MgCl ₂ ·6H ₂ O	AppliChem	CAS-NO: 7791-18-6; EC-NO:2320946	for molecular biology
KH ₂ PO ₄	Merck	12034.025	for molecular biology
Na ₂ HPO ₄ ·2H ₂ O	Merck	1.06574.1000	extra pure

Glucose · H ₂ O	Roth	Art.-Nr.6887.1	for molecular biology
HEPES	Roth	Art.-Nr.9105.4	PUFFERAN, ≥99.5%, p.a.
NaHCO ₃	Merck	1.06329.1000	pro analysis
Protease inhibitor cocktail	Roche		
Phosphostop	Roche		
Bicuculline	Tocris Bioscience		
Isoflurane	Baxter		
Antibodies			
Primary antibodies	Company	Catalog Number	Species
pJac-s180	Biogenes		rabbit (diluted 1:100)
NeuN	Milipore	MAB377	mouse (diluted 1:1,000)
NSE	Cell Signaling	D20H2	rabbit (diluted 1:1,000)
Beta-actin	Sigma	A-5441	mouse (diluted 1:5,000)
Secondary antibodies	Company	Catalog Number	Species
IgG HRP conjugated	DAKO		goat anti-mouse (1:5,000)
IgG HRP conjugated	NEB		goat anti-rabbit (1:5,000)