

Materials List for:

# Application of a NMDA Receptor Conductance in Rat Midbrain Dopaminergic Neurons Using the Dynamic Clamp Technique

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## Materials

Name	Type	Company	Catalog Number	Comments
K-gluconate anhydrous	Reagent	Sigma-Aldrich		
HEPES	Reagent	Fisher Scientific		
CaCl <sub>2</sub> X 2H <sub>2</sub> O	Reagent	Fisher Scientific		
Ethylene glycol-bis(B-amin-thyl ether)-N,N,N',N'-tetraacetic acid	Reagent	Sigma-Aldrich		
MgATP	Reagent	MP Biomedicals		
NaGTP	Reagent	MP Biomedicals		
MgCl <sub>2</sub>	Reagent	Sigma-Aldrich		
NaHCO <sub>3</sub>	Reagent	Sigma-Aldrich		
KCl	Reagent	Fisher Scientific		
NaH <sub>2</sub> PO <sub>4</sub> , Anhydrous	Reagent	Fisher Scientific		
Glucose	Reagent	Acros Organics		
NaCl	Reagent	Fisher Scientific		
CholCl	Reagent	Sigma-Aldrich		
Sodium Pyruvate	Reagent	Fisher Scientific		
Ascorbic Acid	Reagent	Acros Organics		
Glutathione	Reagent	Sigma-Aldrich		
Olympus BX51WI Microscope (with 40x objective)	Microscope	Olympus Corporation		
2 A/D converters	Equipment	Any Supplier		
Multiclamp 700B with CV-7B headstage	Equipment	Molecular Devices		
P-97 Flaming/Brown Micropipette Puller	Equipment	Sutter Instrument Co.		
Microfil syringe needles	Equipment	World Precision Instruments, Inc.		
Micromanipulator	Equipment	Siskiyou, Inc.		
Monitor	Equipment	Triview		