

Materials List for:

An Alternative Approach to Study Primary Events in Neurodegeneration Using *Ex Vivo* Rat Brain Slices

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Materials

Name	Company	Catalog Number	Comments
Sodium chloride (NaCl)	Sigma-Aldrich, Germany	S7653	Reagent for aCSF preparation
Potassium chloride (KCl)	Sigma-Aldrich, Germany	P9333	Reagent for aCSF preparation
Sodium bicarbonate (NaHCO ₃)	Sigma-Aldrich, Germany	S5761	Reagent for aCSF preparation
Magnesium sulphate heptahydrate (MgSO ₄ (7H ₂ O))	Sigma-Aldrich, Germany	63138	Reagent for aCSF preparation
Potassium phosphate monobasic (KH ₂ PO ₄)	Sigma-Aldrich, Germany	P5655	Reagent for aCSF preparation
Hepes salt	Sigma-Aldrich, Germany	H7006	Reagent for aCSF preparation
Hepes acid	Sigma-Aldrich, Germany	H3375	Reagent for aCSF preparation
Glucose	Sigma-Aldrich, Germany	G7528	Reagent for aCSF preparation
Calcium chloride dehydrate	Sigma-Aldrich, Germany	223506	Reagent for aCSF preparation
T30 peptide	Genosphere Biotechnologies, France		AChE-derived peptide tested
Surgical dissecting kit	World Precision Instruments, USA	Item #: MOUSEKIT	Brain removal step
Surgical blades	Swann-Morton, UK	BS 2982	Brain removal step
Filter paper	Fisher Scientific, USA	11566873	Brain preparation for slicing
Glue			Brain preparation for slicing
Vibratome	Leica, Germany	VT1000 S	Slicing
Brushes			Tissue handling
Oxygen canister			Sectioning and incubation phase
1x Phosphate buffer saline (PBS)	Fisher Scientific, USA	BP2438-4	Homogenization step
Phosphatase inhibitors	Fisher Scientific, USA	1284-1650	Homogenization step
Protease inhibitors	Roche complete PIC, USA	4693116001	Homogenization step
Pestles	Starlab, UK	I1415-5390	Homogenization step
Microcentrifuge			
Pierce 660 nm Protein Assay	Thermo Scientific, USA	22660	Protein concentration