

Materials List for:

Strategies for Study of Neuroprotection from Cold-preconditioning

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Materials

Name	Company	Catalog Number	Comments
Preparation of Slice Cultures			
Millicell-CM tissue culture inserts (30 mm)		PICM0-3050	
Basal Medium Eagle		21010	
Earle s Balanced Salt Solution		E2888	
Horse serum		26050-088	
Glutamax		35050	
Gentamicin		15710-064	
Fungizone		15295	
D-glucose		G8769	
BSL-1 fume hood			
Mcllwain tissue chopper			
Teflon disks		023-49-310-1	
Spatula		14-373-25A	
Curved iris scissors		14091-09	
Long straight scissors		14002-14	
Long forceps		13-812-40	
Angled forceps		11808-02	
Short forceps		13-812-38	
#5 Inox forceps		11254-20	
2 Iris spatulae		10094-13	
150 x 15 mm Petri dishes		08-757-148	
60 x 15 mm Petri dishes		08-757-100B	
Wild M8 stereomicroscope			
Gey s balance salt solution		G9779	
Blak-Ray shortwave Ultraviolet measuring meter		J-225	
6-well Falcon culture dishes		08-772-1B	
Neurobasal		21103	
B27 supplement		17504	
Gem21 Neuroplex		400-160-010	
Ascorbic acid		A4544	
CO ₂ Analyzer		#2820	
Pre-screening for Vitality of Slice Cultures			
Sytox Green		S7020	
DMIBRE inverted microscope			

Cold-Preconditioning			
BSL-2 Fume Hood			
Excitotoxic Injury			
CoolSnap fx CCD camera			
Fluorescein		F36915	
MetaMorph software		v. 7.5.04	
100 µm deep hemacytometer			
N-methyl-D-aspartate		454575	
SigmaStat software		v. 3.5	
Co-treatments applied with Cold-Preconditioning			
sTNFR1		425-R1-050	
Bovine Serum Albumin		A-4503	
RNA Isolation			
RNAlater		AM7021	
Micro RNEasy Kit		74004	
β-mercapt-ethanol		03446-100	
Disposable 1.5 RNase-free Pestle		749521-1590	
RNasin		N261A	
Tris[hydroxymethyl]aminomethane		T3069	
EDTA (ethylenediaminetetraacetic acid disodium salt hydrate)		#E7889	
RNA Quantification			
RiboGreen Assay		R11491	
Yeast tRNA		15401-011	
1.5 mL centrifuge tubes		16155500	
96-well fluorescent assay plate		DK-4000	
96-well fluorescent plate reader		Safire II	
Quantitative PCR			
iScript reverse transcription kit		170-8891	
SYBR Green		S7563	
Platinum Taq polymerase		RNA Ultrasense 11732-927	
iCycler thermocycler		iCycler Optical Module	
iCycler system software		v. 3.1	
Quantitative PCR for Microarrays			
RNase Away		#7000	
RT ² First Strand Kit		C-03	
SYBR Green-based PCR mix	Specific for iCycler	PA-011	
RT ² Profiler PCR Array		PARN-011A	
Proteomic Assay			
Cell lysis kit		171-304011	
Microcentrifuge		Micro 7	
BSA protein stock		500-0007	
BCA protein assay kit		23225	
Immuno 96 MicroWell plates		449824	
Sealing tape		2239444	
96-well plate reader		1420-multilabel counter	

Bioplex Rat TNF- α cytokine assay		X0000001T	
Immunostaining			
16% Paraformaldehyde		43368	
Lysine		L-6001	
Sodium phosphate		S374-1	
Sodium periodate		S-1878	
Sodium azide		S-2002	
Hydrogen Peroxide (30%)		H1009	
Goat serum		CS 0920	
Triton X-100		T-8787	
Staining dishes		14511	
Plate Shaker		3520	
#1 Filter Papers (185 mm)		1001-185	
3,3 -diaminobenzidine		D8001	
Dimethyl sulfoxide		D8418	
Ethanol		111000200	
Xylene		X3S-4	
Permout mounting media		SP15-100	
Cryostat		cm ³ 050 S	
Tissue-Tek		27050	
Fine-tip paint brush		11806	
PAP blocking pen		22309	
SFX signal enhancer		A31631	
ProLong Antifade		P7481	