

Location, Dissection, and Analysis of the Murine Stellate Ganglion

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Materials

Name	Company	Catalog Number	Comments
96-well plate	TPP	92097	RNAscope
Adhesion Slides SuperFrost plus 25 x 75 x 1 mm	R. Langenbrinck	03-0060	Microscopy
Albumin bovine Fraction V receptor grade lyophil.	Serva	11924.03	Whole mount staining
bisBenzimide H33342 trihydrochloride (Hoechst)	Sigma-Aldrich, St. Louis, MO, USA	B2261	Whole mount staining
Chicken anti neurofilament	EMD Millipore	AB5539	Whole mount staining
Dimethyl sulfoxide (DMSO)	Merck, KGA, Darmstadt, Germany	D8418	Whole mount staining
Donkey anti chicken IgY Alexa 647	Merck, KGA, Darmstadt, Germany	AP194SA6	Whole mount staining
Donkey anti goat IgG Alexa 568	Thermo Fisher Scientific	A11057	Whole mount staining
Donkey anti rabbit IgG Alexa 488	Thermo Fisher Scientific	A21206	Whole mount staining
Drying block 37-100 mm	Whatman (Sigma Aldrich)	WHA10310992	Whole mount staining
Eosin Y	Sigma Aldrich	E4009	Whole mount staining
Ethanol 99 % denatured with MEK, IPA and Bitrex (min. 99,8 %)	Th.Geyer	2212.5000	Whole mount staining
Eukitt mounting medium	AppliChem	253681.0008	Whole mount staining
Fluoromount-G	Southern Biotech	0100-01	Whole mount staining
Fluoromount-G + DAPI	Southern Biotech	0100-20	Whole mount staining
Goat anti choline acetyltransferase	EMD Millipore	AP144P	Whole mount staining
H ₂ O ₂ 30% (w/w)	Merck, KGA, Darmstadt, Germany	H1009	Whole mount staining
Heparin Sodium 25.000 UI / 5ml	Rotexmedica	PZN: 3862340	Preparation SG
High-capacity cDNA reverse transcription kit	Life technologies	4368813	RNA isolation
Isoflurane (Forene)	Abbott Laboratories	2594.00.00	Preparation SG
Mayer's hemalum solution	Merck	1.09249.0500	Whole mount staining
Methanol	Sigma-Aldrich	34860	Whole mount staining

Microscope cover glasses 20x20 mm or smaller	Marienfeld	0101040	Whole mount staining
miRNeasy Mini Kit	Qiagen	217004	RNA isolation
NanoDrop 2000c	Thermo Fisher Scientific	ND-2000C	RNA isolation
Opal 570 Reagent Pack	Akoya Bioscience	FP1488001KT	RNAscope
Paraformaldehyde, 16% w/v aq. soln., methanol free	Alfa Aesar	43368	Whole mount staining
Pasteur pipettes, LDPE, unsterile, 3 ml, 154 mm	Th.Geyer	7691202	Whole mount staining
Phosphate-buffered saline tablets	Gibco	18912-014	Whole mount staining
Pinzette Dumont SS Forceps	FineScienceTools	11203-25	Preparation SG
QIAzol Lysis Reagent	Qiagen	79306	RNA isolation
Rabbit anti tyrosine hydroxylase	EMD Millipore	AB152	Whole mount staining
RNAlater	Merck	R0901-100ML	RNA isolation (optional)
RNAscope Multiplex Fluorescent Reagent Kit v2	biotechne (ACD)	323100	RNAscope
RNAscope Probe-Mm-S100b-C2	biotechne (ACD)	431738-C2	RNAscope
RNAscope Probe-Mm-Tubb3	biotechne (ACD)	423391	RNAscope
Stainless steel beads 7 mm	Qiagen	69990	RNA isolation
Sudan black B	Roth	0292.2	Whole mount staining
TaqMan Gene Expression Assay Cdkn1b (Mm00438168_m1)	Thermo Fisher Scientific	4331182	Gene expression analysis
TaqMan Gene Expression Assay Choline acetyltransferase (Mm01221880_m1)	Thermo Fisher Scientific	4331182	Gene expression analysis
TaqMan Gene Expression Assay MKi67 (Mm01278617_m1)	Thermo Fisher Scientific	4331182	Gene expression analysis
TaqMan Gene Expression Assay PTPCR (Mm01293577_m1)	Thermo Fisher Scientific	4331182	Gene expression analysis
TaqMan Gene Expression Assay S100b (Mm00485897_m1)	Thermo Fisher Scientific	4331182	Gene expression analysis
TaqMan Gene Expression Assay Tyrosin Hydroxylase (Mm00447557_m1)	Thermo Fisher Scientific	4331182	Gene expression analysis
TaqMan mastermix	Applied biosystems	4370074	Gene Expression analysis
Tissue Lyser II	Qiagen	85300	RNA isolation
Triton X-100 10% solution	Sigma-Aldrich	93443-100ml	Whole mount staining
Tween-20	Sigma-Aldrich	P9416-100ML	RNAscope
Wacom bamboo pen	Wacom	CTL-460/K	Cell size measurements
Whatman prepleated qualitative filter paper, Grade 595 1/2	Sigma-Aldrich	WHA10311647	Whole mount staining
Wheat Germ Agglutinin, Alexa Fluor 633 Conjugate	Thermo Fisher Scientific	W21404	RNAscope