Materials List for:

Production of RNA for Transcriptomic Analysis from Mouse Spinal Cord Motor Neuron Cell Bodies by Laser Capture Microdissection

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Materials

Name	Company	Catalog Number	Comments
Ketamine	Webster Veterinary	26637041101	Any source approved by the institutional veterinary service
Dissection tools (scissors, forceps, etc.)			Any convenient source of high- quality dissection instruments
Cryostat	Leica Microsystem	CM3050S	Other cryostats should be suitable
LMD6000 B	Leica Microsystem		Other LMD systems have not been tested
RNase-free PEN-membrane 2 µm slides	Leica Microsystem	11505189	Other slide types have been tested and do not perform well
RNeasy Micro kit (50)	Qiagen	74004	Any kit that uses guanidine thiocyanate lysis buffer and has been tested for recovering small quantities of RNA can be used
Agilent 2100 BioAnalyzer	Agilent Technologies	G2939A	
Azure B Certified	MP Biomedicals	190520	Critical! Product from any source has to be tested before use for its ability to maintain RNA integrity
PBS	Sigma Life Science	D8537	Any reliable source of RNase-free PBS
RNA Ethanol 70% (made with DEPC treated water)	American Bioanalytical	AB04010-00500	Any reliable source, can be lab- made
Water, RNase-free, Endotoxin tested (treated with DEPC to eliminate RNase)	American Bioanalytical	AB02128-00500	Any reliable source, can be lab- made
RNase AWAY	Invitrogen Life Technologies	10328-011	Other similar RNase removal reagents, such as RNaseZAP (also from Invitrogen) can be used
2-Methylbutane	Electron Microscopy Sciences	78-78-4	Any source
Maxymum Recovery microfuge tubes (0.6 and 1.5 ml) and pipette tips	Axygen	311-03-051 & 311-09-051	Ultra-low retention, RNase free tubes and tips; test other manufacturer's products before using
O.C.T. Compound	Tissue-Tek	4583	
Cryomold Intermediate Size	Tissue-Tek	4566	
Lab wipes (Kimwipes)	KIMTECH	34155	

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