

Materials List for:

Single-cell RNA Sequencing of Fluorescently Labeled Mouse Neurons Using Manual Sorting and Double *In Vitro* Transcription with Absolute Counts Sequencing (DIVA-Seq)

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URL: <https://www.jove.com/video/58690>

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Materials

Name	Company	Catalog Number	Comments
ERCC RNA Spike-In Control Mixes	Thermo Fisher	Cat# 4456740	
SuperScript III	Thermo Fisher	Cat# 18080093	
RNaseOUT Recombinant Ribonuclease Inhibitor	Thermo Fisher	Cat# 10777019	
RNA fragmentation buffer	New England Biolabs	Cat# E6105S	
RNA MinElute kit	Qiagen	Cat# 74204	
Antarctic phosphatase	New England Biolabs	Cat# M0289	
Poly nucleotide kinase	New England Biolabs	Cat# M0201	
T4 RNA ligase2, truncated	New England Biolabs	Cat# M0242	
Ampure Xp magnetic beads	Beckman Coulter	Cat# A63880	
SPRIselect size selection magnetic beads	Thermo Fisher	Cat# B23317	
DL-AP5	Tocris	Cat# 0105	
CNQX	Tocris	Cat# 1045	
TTX	Tocris	Cat# 1078	
Protease from Streptomyces griseus	Sigma-Aldrich	Cat# P5147	
Message Amp II kit	Thermo Fisher	Cat# AM1751	
Carbogen	Airgas	Cat# UN3156	
Sylgard 184	Sigma-Aldrich	Cat# 761036	
Illumina TrueSeq smallRNA kit	Illumina	Cat# RS-200-0012	
Bioanalyzer RNA Pico chip	Agilent	Cat# 5067-1513	
Bioanalyzer High Sensitivity DNA chip	Agilent	Cat# 5067-4626	
Bioanalyzer 2100	Agilent		
Dissection microscope with fluorescence and bright field illumination with DIC optics. (Leica model MZ-16F).	Leica	Model MZ-16F	
Glass microcapillary: Borosilicate capillary tubes 500/pk. OD= 1 mm, ID=0.58 mm, wall= 0.21 mm, Length= 150 mm.	Warner instruments	Model GC100-15, Order# 30-0017	
Capillary pipette puller	Sutter Instruments Co	P-97	
Vibratome	Thermo Microm	HM 650V	
Vibratome tissue cooling unit	Thermo Microm	CU 65	