

Materials List for:

# RNA-Seq Analysis of Differential Gene Expression in Electroporated Chick Embryonic Spinal Cord

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URL: <https://www.jove.com/video/51951>

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## Materials

Name	Company	Catalog Number	Comments
Indian ink	Any supplier		
18G x 1 1/2 needle	BD	305196	
3 ml syringe	BD	309657	
Tris	MP Biomedicals	819620	
F D & C Blue 1	Spectra Colors Corporation	5.FC.0010P0	Food Dye used to visualize DNA injection
Ringer's solution (1 L)			
- 7.2 g NaCl	Sigma-Aldrich	S-9888	
- 0.37 g KCl	Sigma-Aldrich	P-4504	
- 0.225 g CaCl <sub>2</sub> •2H <sub>2</sub> O	Fisher Scientific	10043-52-4	
- 0.217 g Na <sub>2</sub> HPO <sub>4</sub> •7H <sub>2</sub> O	Sigma-Aldrich	S-9390	
- 0.02 g KH <sub>2</sub> PO <sub>4</sub>	Sigma-Aldrich	P-5379	
- ddH <sub>2</sub> O to 800 ml and adjust pH to 7.4			
- ddH <sub>2</sub> O to 1 L			
- Filter and autoclave			
PBS (Phosphate Buffered Solution) (1 L)			
- 8 g NaCl	Sigma-Aldrich	S-9888	
- 0.2 g KCl	Sigma-Aldrich	P-4504	
- 1.15 g Na <sub>2</sub> HPO <sub>4</sub> •7H <sub>2</sub> O	Sigma-Aldrich	S-9390	
- 0.2 g KH <sub>2</sub> PO <sub>4</sub>	Sigma-Aldrich	P-5379	
- ddH <sub>2</sub> O to 800 ml and adjust pH to 7.2			
- ddH <sub>2</sub> O to 1 L and filter			
- 1 ml DEPC (Diethylpyrocarbonate)	Sigma-Aldrich	D-5758	
- Shake vigorously and let stand overnight at room temperature			
- Autoclave			
Sieved spoon	Any supplier		
Sterile 60 x 15 mm polystyrene Petri dishes	Corning Life Sciences	351007	
RNaseZap RNase decontamination solution	Life Technologies	AM9780	
Fine point surgical scissors	Any supplier		

Straight fine point tweezers	Any supplier		
Pulled glass needle made from 1.1 x 75 mm glass capillary tubes	Kimble Chase	40A502	
9" glass Pasteur pipette	Any supplier		
Manual pipette pump	Any supplier		
Clear 1.5 ml microcentrifuge polypropylene tubes	Corning Life Sciences	MCT-150-C	
Microcentrifuge	Any supplier		
RNAlater solution for RNA stabilization	Life Technologies	AM7020	
RNAqueous total RNA isolation kit	Life Technologies	AM1912	
Molecular Biology Grade Ethanol	Any supplier		
RNA 6000 Nano Kit	Agilent Technologies	5067-1511	
2100 Electrophoresis Bioanalyzer Instrument	Agilent Technologies	G2939AA	
Truseq RNA Sample Preparation Kit v2	Illumina	RS-122-2001/RS-122-2002	