

Materials List for:

In Ovo Electroporation in Embryonic Chick Retina

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Materials

Name	Company	Catalog Number	Comments
Fertilized pathogen-free (SPF) white leghorn chicken eggs	Sunrise Farms (Catskill, NY)		
Chicken egg incubator	GQF Manufacturing	Model-1550	Set to 60% humidity and 37.5°C.
Glass capillary tubes	World Precision Instruments, Inc.	TW150F-4	
0.1 ml syringe	Hamilton Co	Gastight 1710	Alternatively 1ml syringe can be used as well
Masterflex Silicone (peroxide) Tubing	Cole-Parmer	HV-96400-13	Cut a small piece (1 cm) for attaching the glass needle to the syringe
Tweezers	Dumont	AA	
Micromanipulator	World Precision Instruments, Inc.	M3301-M3	
Plasmid DNA			pCAG-GFP was borrowed from Dr. Connie Cepko
Fast Green FCF	Sigma-Aldrich	F7252	Dilute it to 0.025 % with PBS
Pulse generator	Harvard Apparatus	BTX ECM 830	Square wave generator
Electrodes	Harvard Apparatus	BTX model 514	Our electrodes were spaced 3-5 mm apart
Monochrome Digital Camera	Carl Zeiss, Inc.	Axiocam MRM	
Fluorescent Dissection Microscope	Leica Microsystems	Leica MZ16FA	
Upright Fluorescence Microscope	Carl Zeiss, Inc.	Zeiss Axio Imager A1	