

Materials List for:

Quantifying the Activity of *cis*-Regulatory Elements in the Mouse Retina by Explant Electroporation

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URL: <https://www.jove.com/video/2821>

DOI: [doi:10.3791/2821](https://doi.org/10.3791/2821)

Materials

Name	Company	Catalog Number	Comments
Electroporation dish, Microslide 453	BTX Technologies	45-0105	See protocol section 1 for modifications
100% silicone rubber aquarium cement	Perfecto Manufacturing		
Plastic microtube rack	Fisher Scientific	05-541	Only the rack handle will be used
Dremel tool			For cutting the handle off the plastic tube rack
DMEM	GIBCO, by Life Technologies	11965	
F12	GIBCO, by Life Technologies	11765	
L-Glu/pen/strep	GIBCO, by Life Technologies	10378-016	100X concentration
Insulin	Sigma-Aldrich	I-6634	For 1000X stock, resuspend at 5mg/ml in 5mM HCl and filter-sterilize
FBS	GIBCO, by Life Technologies	26140-079	
ECM 830 Square-wave electroporator	BTX Technologies		
Nuclepore filters	Whatman, GE Healthcare	110606	25mm, 0.2µm
Tissue culture incubator			37°C, 5% CO ₂
Glass coverslips #1.5	Fisher Scientific	12-544E	0.16mm thick
Fluorescent compound microscope equipped with camera			Camera should be monochromatic (e.g., ORCA-ER camera by Hamamatsu)
EGFP/DsRed filter set for compound microscope	Chroma Technology Corp.	86007	This filter set minimizes bleedthrough between the red and green channels
ImageJ Software	National Institutes of Health		http://rsbweb.nih.gov/ij/