

Materials List for:

Horizontal Slice Preparation of the Retina

Ryosuke Enoki¹, Tatjana C. Jakobs², Amane Koizumi²

¹Dpt of Physiology and Biophysics, Dalhousie University

²Massachusetts General Hospital, Harvard Medical School

Correspondence to: Ryosuke Enoki at renoki@dal.ca

URL: <https://www.jove.com/video/108>

DOI: [doi:10.3791/108](https://doi.org/10.3791/108)

Materials

Name	Company	Catalog Number	Comments
Agar	Sigma-Aldrich	A-1296	
Agarose L	Wako Pure Chemical Industries, Ltd.	317-01182	Low-temperature melting agarose
Hyaluronidase	Sigma-Aldrich		Type I-S, 300 U/mg
Medium			in mM: 102 NaCl, 3.1 KCl, 2.0 CaCl ₂ , 1.0 MgCl ₂ , 23 NaHCO ₃ , and 10 glucose, maintained at pH 7.8, or, Ames' Solution (Sigma)
Microwave			
Hot water bath			35 °C
Vibratome slicer	Leica Microsystems	VT1000S	
MF-Membrane filters	EMD Millipore	HAWP01300	Filter paper , pore size 0.45 µm
Dissection tools			forceps, blade, pinch, twizzer, etc.
Instant glue			e.g. Alonalpha, Crazy Glu
50 ml Syringe			
Syringe filter	EMD Millipore	SX0001300	