

Materials List for:

Excitotoxic Stimulation of Brain Microslices as an *In vitro* Model of Stroke

Kathryn A. Skelding¹, Jacinta M. Arellano², David A. Powis³, John A. Rostas¹

¹School of Biomedical Sciences and Pharmacy, Hunter Medical Research Institute, The University of Newcastle

²School of Health and Human Sciences, Southern Cross University

³School of Medicine and Public Health, The University of Newcastle

Correspondence to: Kathryn A. Skelding at Kathryn.Skelding@newcastle.edu.au

URL: <https://www.jove.com/video/51291>

DOI: [doi:10.3791/51291](https://doi.org/10.3791/51291)

Materials

Name	Company	Catalog Number	Comments
Guillotine			Used to decapitate animal
Surgical equipment			Forceps, scissors, tweezers, <i>etc.</i> , for brain removal and dissection
Mcllwain chopper	Mcllwain choppers are manufactured/distributed by a range of companies including Mickle Engineering, Harvard Apparatus, Campden Instruments and Ted Pella.		Used to generate 100-400 µm brain sections.
Round bottom plastic tubes	Greiner		
Water bath			For keeping tissue at 37 °C
Humidifier/aerating apparatus			Used to keep microslices in a humidified, oxygenated environment
Flat bottomed polystyrene tubes	Nunc		
Dounce Homogenizer			