

Materials List for:

Application of light-cured dental adhesive resin for mounting electrodes or microdialysis probes in chronic experiments

Tetsu Okumura¹, Kazuo Okanoya², Jun Tani¹

¹Laboratory for Behavior and Dynamic Cognition, Brain Science Institute, RIKEN

²Laboratory for Biolinguistics, RIKEN

Correspondence to: Tetsu Okumura at tetsuok-tmd@umin.ac.jp

URL: <http://www.jove.com/video/435>

DOI: [doi:10.3791/435](https://doi.org/10.3791/435)

Materials

Name	Type	Company	Catalog Number	Comments
Bengalese finches	Animal			Two adult male , Body weight: 14.2 g and 14.8 g
Microdialysis probe	Tool	EICOM		total weight of probe, guide cannula, cap nut and dental adhesive resin: 0.65 to 0.78 g.
Light-cured dental adhesive resin system		Kuraray Medical Inc		+Light cured composite resin (CLEARFIL AP-X). +Dual-cure dental adhesive system with the self-etching primer and bonding agent (CLEARFIL Liner Bond IIΣ).
Surgical instruments				Stereotaxic frame, surgical microscope, thermal controlled surgical pad and thermal controlled recovery chamber. Plain plugger for handling composite resin. Microspatula or sharp curette to ablate periosteum and muscles. Injection syringe and needle (30G) for inducing anesthesia. Small scissors. Fine forceps for making small craniotomy.
Light-unit		Rolence Enterprise Inc	Ultra-Lite 500E	
Microscope		Konan Medical	KOM300	with C-mount adaptor
3- CCD camera	Tool	Hitachi	HV-D30	