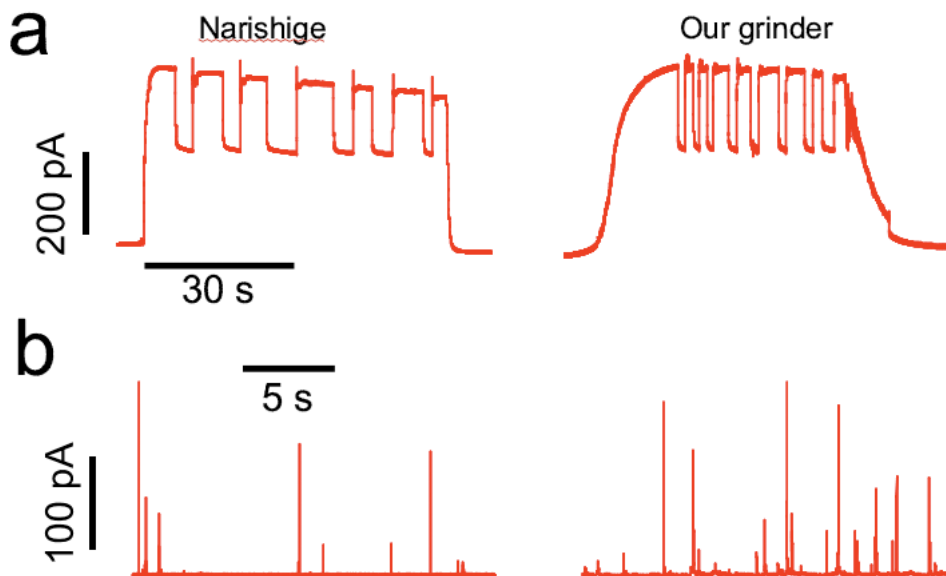
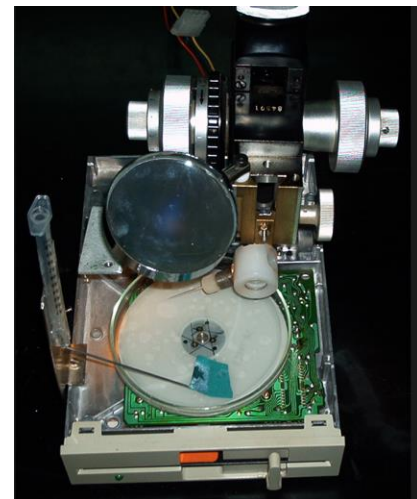
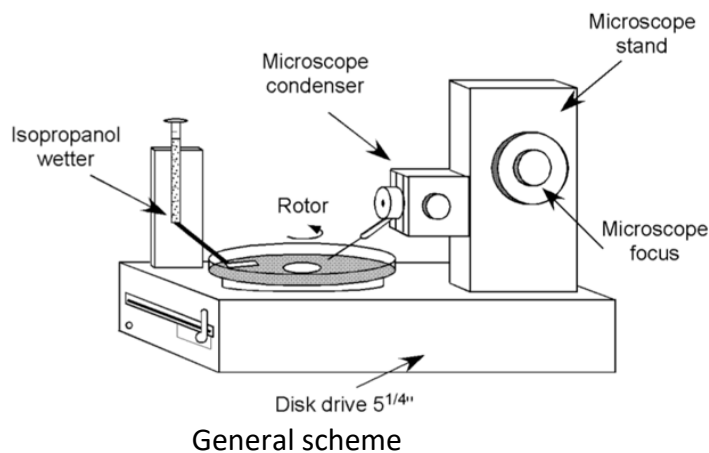


ELECTRODE GRINDER

This device was created from recycled parts to satisfy the demand from developing countries (Chile, Argentina, Peru). The idea was to create a cheap system for polishing glass-encapsulated carbon fibre microelectrodes.

It uses a floppy-driver unit, which works at 40 rpm, and uses a microscope focussing knobs as micromanipulator. It also incorporates a LED lamp, a magnifying glass and an isopropanol delivering system.

The only purchased part is a diamond sheet (World Precision Instruments). The description of this device was published: BORGES, R. et al (2005) *Pflügers. Arc.* **450**, 280-282.



Comparison with a commercial electrode grinder (Narishige EG-40) using a flow injection system with 50 μM noradrenaline (a). Amperometrical recordings from chromaffin cells stimulated by 5 s pressure injection of 5 mM BaCl_2 (b).