



## Tissue Chamber

# TC1

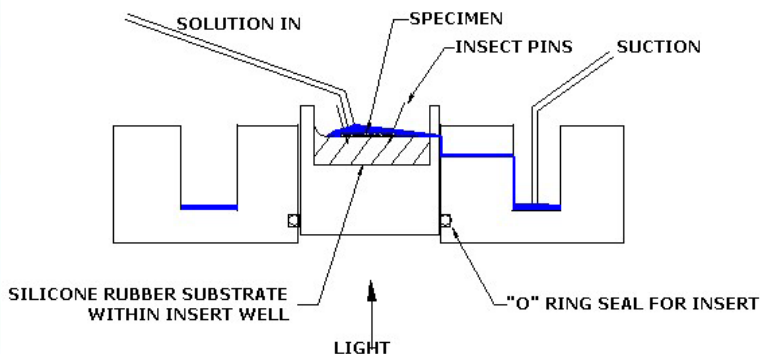
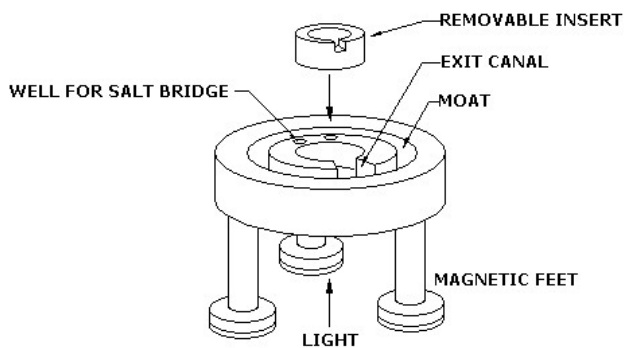
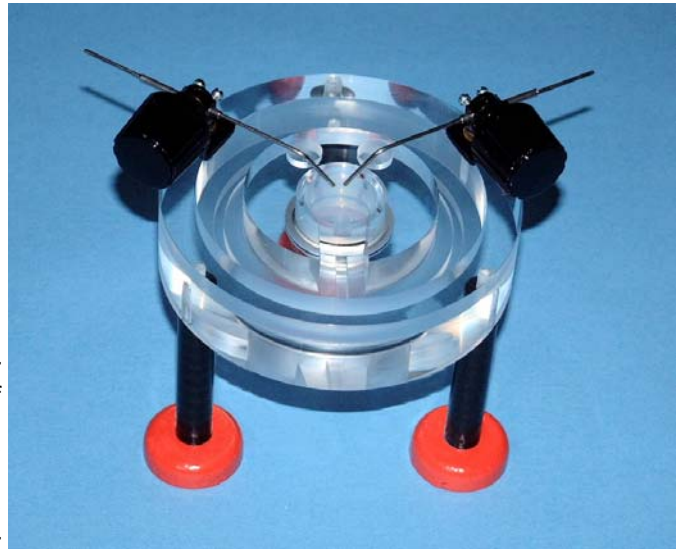
### Submerged Preparations

The TC1 chamber is of a simple design for easy perfusion of preparations of various sizes that require ready visualisation under a dissecting microscope and ready access for recording and stimulating electrodes.

#### FEATURES

- \* *In vitro* studies of oocytes, organs or aquatic preparations
- \* Extracellular, intracellular or patch clamp experiments
- \* Slices supported on removable insert, adaptable to your requirements

This chamber utilises a removable insert whose height can be varied within the main chamber wall to allow flow rate and submersion level of the preparation to be adjusted. The insert has a base area composed of silicone rubber to allow insect pins to be used for holding down preparations. Perfusion fluid is allowed to flow over the preparation and exits into a circular



canal where it can be sucked off. A pair of 10-turn manipulators developed for this chamber are also available separately (product code **M10** as shown in photo) and can be used to direct incoming fluid to the preparation and for suction. Space under the chamber allows for arrangement of a fibre optic light source or reflecting mirror. The legs are fitted with magnetic bases for ease of positioning under microscopes and manipulation systems and assists cleaning operations at the end of experiments.

Temperature controlled perfusate can be directed onto the preparation by means of an in-line perfusion solution heater **MH01** or **MH02** which are used in conjunction with our Proportional Temperature Controller **PTC03**