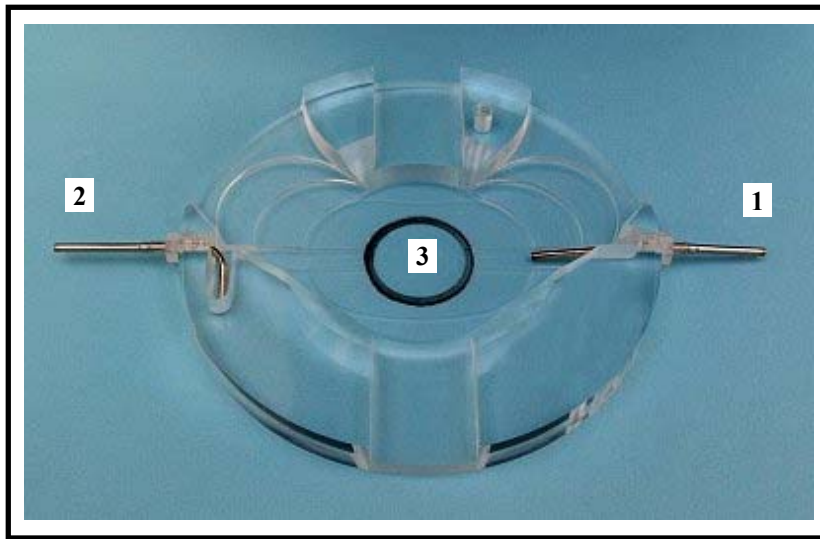


Microscope Stage Slice Chamber - MS Series

Type MS-1

The MS-1 chamber has been designed for use with fixed-stage upright-type microscopes. The particular feature of this chamber is the profiled contour that allows the microscope objective to sweep across the preparation when changing magnification, without having to adjust the focusing. In this way the specimen and any pre-positioned microelectrodes remain par-focal. This is particularly useful for confocal microscopy where it is the intention to combine electrophysiology and precise localisation of structures. In addition this chamber can be utilised with microscopes that have front to back swing objective turrets. Adaptor plates are available for various microscope stages.



Perfusion solution enters from one side [1] via a stainless steel tube and exits through a well [2] in which a movable tube attached to a pump/suction line adjusts the fluid level. Solutions can be pre-warmed before entering the chamber with our Mini Heating Module MH01. The profile slopes in towards the central coverslip base [3] so that the perfusion solution forms a pool around the preparation whilst being refreshed by virtue of the inlet and exit ports.

SPECIFICATIONS

Size: 100mm diameter X 10mm
Material: Clear acrylic
Coverslip base: 22mm X 150um .
Inlet tube: Stainless steel tube, 1.8 mm O.D.
Exit tube: As for inlet tube
Dead space: Min. capacity of pool formed above coverslip and channels leading to inlet and exit ports is 1ml.

