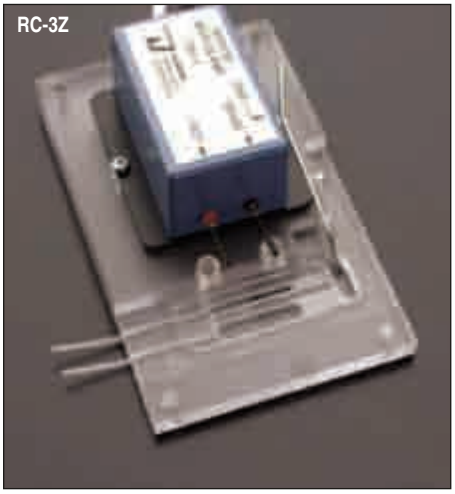
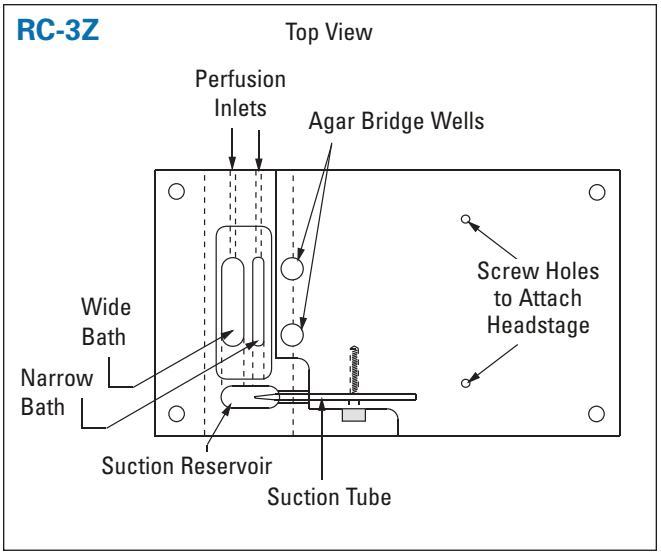
# RC-3Z

## Oocyte Recording Chamber

***A simple, low-cost chamber for studies of oocytes and other large cell structures***




**RC-3Z Chamber shown with the Warner 7251 I Bath Clamp Headstage**




- Specially designed for oocyte studies
- Features two slot-shaped bath wells
- Allows fast solution exchange and easy cell access
- Adjustable solution height

The RC-3Z features two slotted bath wells; a narrow bath for applications requiring rapid solution exchange, and a wider bath allowing good electrode access. The chamber is constructed using a two-piece design. The top piece forms the chamber body and contains a solution aspiration reservoir. The bottom piece forms the floor of the chamber and houses the oocyte work area. An agar bridge well with connecting channel to the input side of the bath is also provided. An isolated well is provided on the downstream side of the bath, however, most users place the sense electrode directly into the suction well.

The perfusion inputs accept standard polyethylene tubing (PE-160). Solutions are removed from the suction well via an adjustable suction tube and solution height is set by raising or lowering this suction tube. The suction tube out-port connects to 1.67 mm ID tubing. Threaded holes are incorporated in the chamber body for mounting of the OC-725C bath headstage.

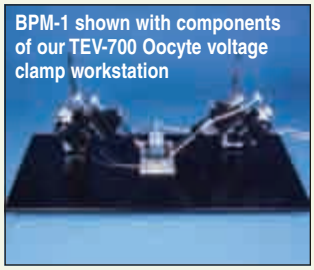
*Each chamber includes 10 feet of polyethylene (PE-160) tubing.*

### Specifications

| | |
|---|---|
| Chamber material | Polycarbonate |
| Footprint (L x W) | 13 x 7.7 cm (5.1 x 3 in) |
| Chamber floor insert (L x W x H) | 75 x 25 x 1 mm, polycarbonate |
| Narrow bath dimension (L x W x H) | 27 x 3.2 x 3.2 mm |
| Narrow bath volume, by depth | 85 µl/mm |
| Wide bath dimension (L x W x H) | 27 x 6.3 x 3.2 mm |
| Wide bath volume, by depth | 170 µl/mm |
| Input tubing (ID x OD) | 1.14 x 1.57 mm (PE-160) |
| Aspirator coupling | 1.67 mm (OD) |

# BPM-1

## Steel Base Plate



**BPM-1 shown with components of our TEV-700 Oocyte voltage clamp workstation**

This solid steel plate provides a stable platform for mounting micromanipulators mounted on magnetic bases. A highly durable powder coating applied to the surface makes it impervious to most common spills in the lab.

### Specifications

| | |
|---|---|
| Dimensions | 30.5 x 61.0 x 0.95 cm (12 x 24 x 3/8 inch) |
| Weight: | 14.06 kg (31 lb) |

| Order # | Model | Product |
|---|---|---|
| **W4 64-0319** | RC-3Z | Oocyte Chamber |
| **Optional Accessories** | | |
| **W4 64-0755** | PE-160/10 | Polyethylene Tubing |
| **W4 64-1586** | BPM-1 | Base Plate Magnetic Steel |
| **W4 64-0206** | MP-2 | Perfusion Manifold, 2 Inputs |
| **W4 64-0207** | MP-3 | Perfusion Manifold, 3 Inputs |
| **W4 64-0208** | MP-4 | Perfusion Manifold, 4 Inputs |
| **W4 64-0209** | MP-5 | Perfusion Manifold, 5 Inputs |
| **W4 64-0210** | MP-6 | Perfusion Manifold, 6 Inputs |
| **W4 64-0211** | MP-8 | Perfusion Manifold, 8 Inputs |