

oocyte chambers

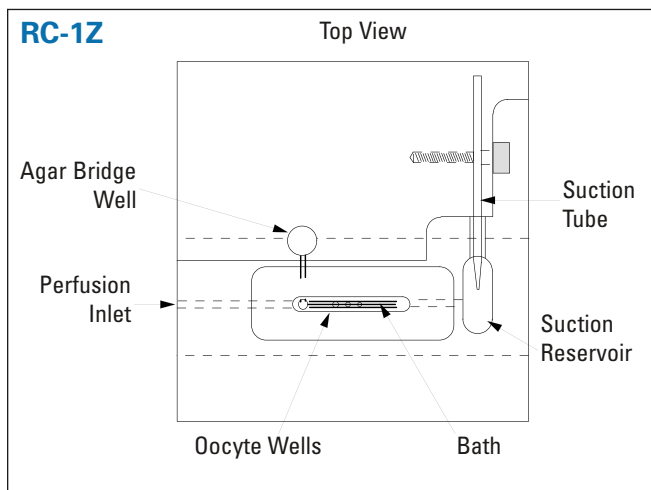
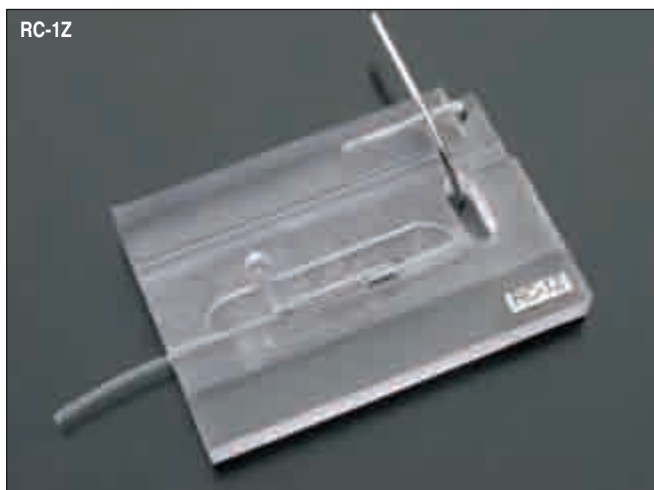
RC-1Z

Oocyte Recording Chamber

Chambers

oocyte chambers

A simple, low cost oocyte perfusion chamber



- Specially designed for oocyte studies
- Unique slotted bath
- Dimpled bottom aids oocyte impalement

The RC-1Z chamber features a unique slot-shaped bath for applications requiring rapid perfusion.

The chamber is constructed using a two-piece design. The top piece forms the chamber body and contains a solution aspiration reservoir. 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 bottom piece forms the floor of the chamber and houses the oocyte work area. To aid in securing the oocyte into position during impalement, the chamber bottom has three dimples with dimple diameters: 0.8, 1.0, and 1.2 mm. Three grooves milled into the chamber bottom (parallel to the direction of solution flow) aid in bathing the bottom side of the oocyte during perfusion.

Solutions are removed from the suction well via an adjustable suction tube and bath solution height is adjusted by raising or lowering the suction tube. The perfusion input accepts standard 1/16" OD (PE-160) polyethylene tubing.

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

Specifications

Material	Polycarbonate
Footprint (L x W)	7.7 x 5.1 cm
Bath Dimensions (L x W x H)	25 x 3.5 x 2.5 mm
Volume, by Depth	85 µl/mm
Chamber Floor Insert	25 x 75 x 3 mm, polycarbonate
Input Tubing (ID x OD)	1.14 x 1.57 mm (PE-160)
Aspirator Coupling	1.67 mm OD

Order #	Model	Product
W4 64-0318	RC-1Z	Oocyte Chamber

Optional Accessories

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
W4 64-0755	PE-160/10	Polyethylene Tubing