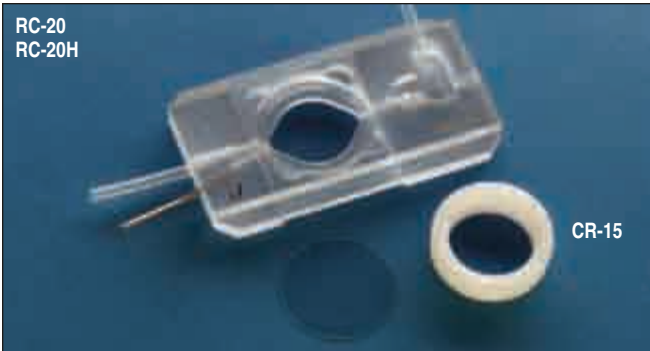


# series 20 chambers

## RC-20 and RC-20H

### Small Volume Closed Bath Imaging Chambers

Polycarbonate chambers featuring fast solution exchange and linear solution flow



- Closed bath design
- Our smallest volume, closed bath chambers
- Ideal for fluorescent, calcium, and time-lapse imaging studies

The RC-20 and RC-20H are very small volume imaging chambers featuring fast perfusion exchange and short working distance. The smaller and narrower RC-20 insures linear solution flow and fast exchange while the RC-20H features a larger viewing area. An access port (Hamilton syringe compatible)\* at the bath input may be used to inject substances into the solution flow or to remove gas bubbles.

Two 15 mm round coverslips enclose the bath. The distance between the top and bottom coverslips is 1 mm. The top coverslip is secured into place with a retainer ring.

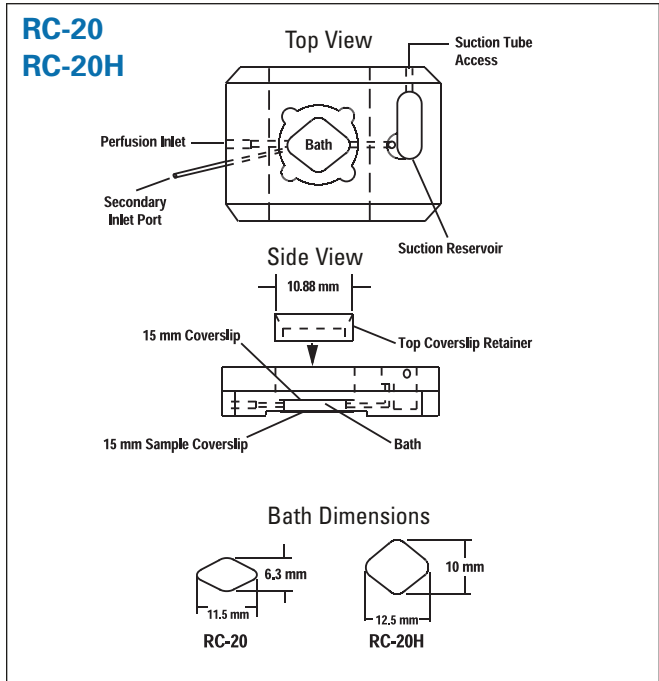
Studies involving physiological bicarbonate buffers can be performed with these chambers with no gas loss at the chamber interface. In addition, the closed design allows the use of permeable supports. With laminar flow, minimal distortion of the sample will occur during perfusion.

RC-20 and RC-20H chambers require a platform (P-5, PH-5, or PM-5) and stage adapter to complete the assembly for mounting onto a microscope.

Each chamber is supplied with a package of #1 thickness glass coverslips (CS-15R, 15 mm diameter, 100/pkg), 10 feet of PE-160 tubing, and a CR-15 top coverslip retaining ring.

\* 25 gauge (0.45 mm OD) needle

Specifications	RC-20	RC-20H
Material	Polycarbonate	Polycarbonate
Bath dimensions (L x W)	11.5 x 6.3 mm	12.5 x 10 mm
Volume, by depth	48 $\mu$ l	90 $\mu$ l
Top coverglass	15 mm round	15 mm round
Bottom coverglass	15 mm round	15 mm round
Injection port (ID x OD)	0.56 x 0.91 mm, stainless steel	0.56 x 0.91 mm, stainless steel
Input tubing (ID x OD)	1.14 x 1.57 mm (PE-160)	1.14 x 1.57 mm (PE-160)
Output tubing (ID x OD)	1.14 x 1.57 mm (PE-160)	1.14 x 1.57 mm (PE-160)



Order #	Model	Product
W4 64-0222	RC-20	Small Volume Imaging Chamber
W4 64-0223	RC-20H	Small Volume Imaging Chamber
W4 64-0281	P-5	Platform, non-heated
W4 64-0288	PH-5	Platform, heated
W4 64-1564	PM-5	Platform, heated magnetic
<b>Accessories and Replacement Parts</b>		
W4 64-0755	PE-160/10	Polyethylene Tubing
W4 64-0703	CS-15R	Coverslips, 15 mm
W4 64-0276	CR-15	Replacement Coverslip Retainer
W4 64-0274	RH-2	Heater Elements (2) for PH (Heater) Platforms with Mounting Pads and Screws
W4 64-0273	SS-3	Slice Support for RC-27L and RC-29
W4 64-0271	TS-30G	Glass Thermistor (Alternate to TS-70B)
W4 64-0269	TS-60P	Probe Thermistor for CC-28 Cable
W4 64-0270	TS-70B	Bead Thermistor for CC-28 Cable