

# RC-21B and RC-21BR series 20 chambers

## Large Closed Diamond Bath

Large viewing area and good access for microscope objectives

Chambers

series 20 chambers



- Closed bath design
- Diamond fluidics
- Ideal for fluorescent, calcium, and time-lapse imaging studies
- Uses 22 mm square or 25 mm round coverslips
- Large optical imaging area
- Good access for upright or inverted microscopes

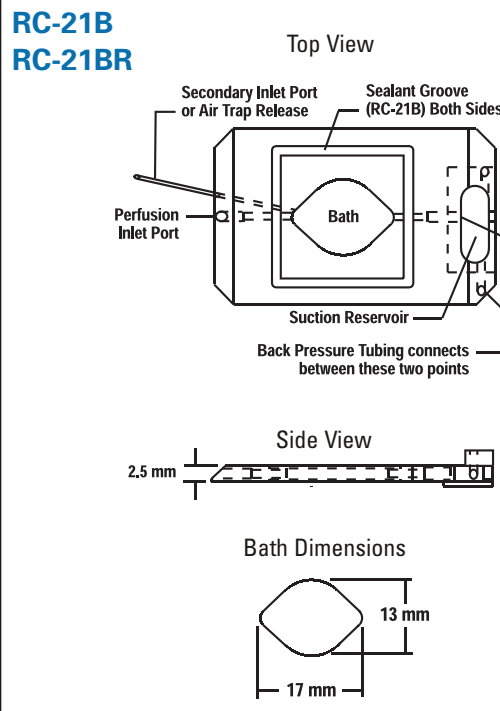
The RC-21B and RC-21BR chambers feature a closed bath, short working distance, and linear solution flow. Separation between the top and bottom coverslip is 2.5 mm and total bath volume is 358  $\mu$ l. At the bath output, a length of tubing is used as a back pressure control to insure smooth flow. An additional stainless steel port at the bath input fits a standard Hamilton microliter syringe.\* This port is useful for injecting substances or for removing air bubbles from the sealed chamber.

Studies involving physiological bicarbonate buffers can be performed with these chambers with no gas loss at the chamber interface. With laminar flow, minimal distortion of the sample occurs during perfusion.

RC-21B and RC-21BR chambers require a platform (P-2, PH-2, or PM-2) 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-22S and CS-25R, respectively, 100/pkg) and 10 feet of PE-160 polyethylene tubing.

\* 25 gauge (0.45 mm OD) needle



Specifications	RC-21B	RC-21BR
Material	Polycarbonate or polysulfone*	Polycarbonate or polysulfone*
Bath dimensions (L x W x H)	17 x 13 x 2.5 mm	17 x 13 x 2.5 mm
Volume	358 $\mu$ l	358 $\mu$ l
Top coverglass	22 mm square	25 mm round
Bottom coverglass	22 mm square	25 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)

\* Please call for price and availability of polysulfone chambers.

Order #	Model	Product
W4 64-0224	RC-21B	Large Bath Imaging Chamber
W4 64-0225	RC-21BR	Large Bath Imaging Chamber
W4 64-0278	P-2	Platform, non-heated
W4 64-0285	PH-2	Platform, heated
W4 64-1561	PM-2	Platform, heated magnetic

Accessories and Replacement Parts		
W4 64-0755	PE-160/10	Polyethylene Tubing
W4 64-0704	CS-22S	Coverslips, 22 mm, square
W4 64-0705	CS-25R	Coverslips, 25 mm, round