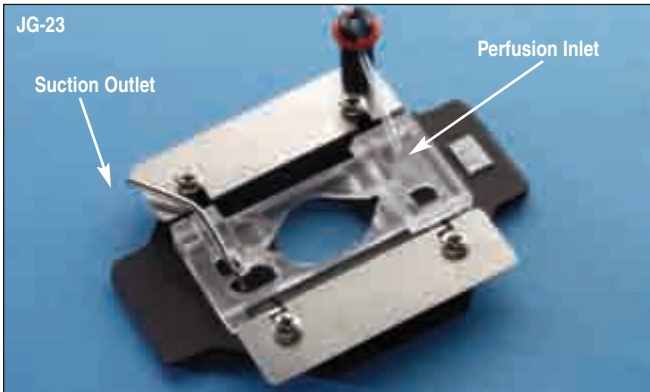


Sloped inflow allows for a smooth delivery of solution to the chamber



Using the JG-23 chamber this image of an isolated colonic crypt was acquired on a Zeiss spinning disk confocal. The crypt was loaded with BCECF to measure intracellular pH. Image courtesy of John Geibel.

- Eliminates vibration associated with solution exchange
- Incorporates Warner's diamond fluidics
- Multiplexes solution delivery without switching artifacts

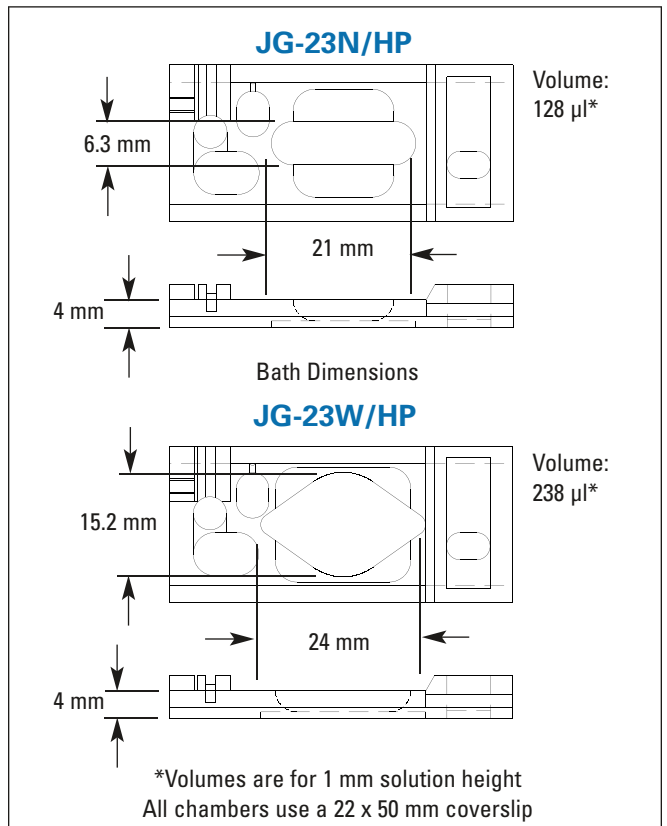
The JG-23 has been designed especially for researchers planning multiple solution changes while attempting to maintain a tight optical focus on the specimen during an experiment. The design of this chamber eliminates vibrations associated with solution delivery that could cause specimens or optical fields to fluctuate during recordings.

The JG-23 Series chambers incorporate the same advanced design as the Series 20 diamond shaped chambers. A large imaging field allows for maximal observation of biological specimens with the addition of a sloped input. The advantage of this system over other chambers is the addition of a sloped inflow which allows for a smooth and "ultra-quiet" delivery of solution to the chamber.

The sloped input allows I-V type infusion lines to be used that can deliver fixed drops per sec to the chamber without the introduction of noise to the specimen field. In addition, multiplexed solution delivery is possible without solution switching artifacts.

Each chamber includes two magnetic plates, a magnetic perfusion tube holder, one pack of #1 thickness coverslips (CS-22/50, 22x50 mm, 85/pkg), and 10 ft of polyethylene (PE-160) tubing.

Slice anchors are available for both the JG-23W/HP and JG-23W/LP. See page 71 for details.



Order #	Model	Product
W4 64-1486	JG-23N/HP	Ultra-quiet Chamber High Profile, Narrow Bath
W4 64-1487	JG-23W/HP	Ultra-quiet Chamber High Profile, Wide Bath
W4 64-1488	JG-23W/LP	Ultra-quiet Chamber Low Profile, Wide Bath

Order #	Model	Product
Accessories and Replacement Parts		
W4 64-0277	P-1	Platform, non-heated
W4 64-0284	PH-1	Platform, heated
W4 64-1526	PM-1	Platform, heated magnetic
W4 64-0253	SHD-26GH/10	Slice Anchor for RC-26G (1.0 mm)
W4 64-0254	SHD-26GH/15	Slice Anchor for RC-26G (1.5 mm)
W4 64-0255	SHD-26GH/20	Slice Anchor for RC-26G (2 mm)
W4 64-0708	CS-22/50	Coverslips, 22 x 50 mm
W4 64-0755	PE-160/10	Polyethylene Tubing