

# series 30 chambers

## RC-30, RC-30HV and RC-30WA

### Confocal Imaging Chambers



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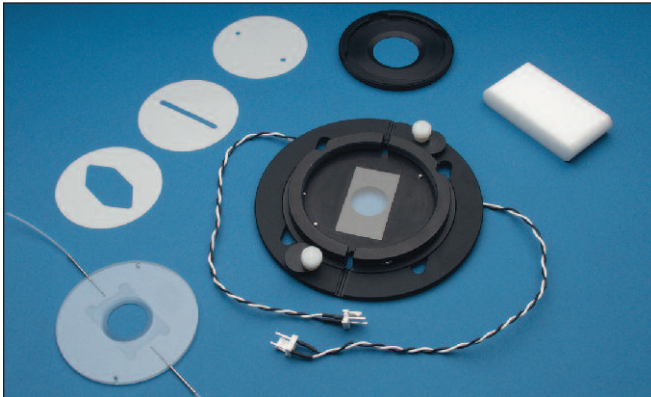
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- Option of confocal imaging with continuous perfusion
- Accommodates both upright and inverted microscopes
- 17.7 mm diameter viewing aperture (RC-30, RC-30HV)
- 25.0 mm diameter viewing aperture (RC-30WA)
- User-defined cross-sectional viewing area
- User-defined bath volume with fast fluid exchange
- Three available gasket thicknesses
- Resistive heating option on chamber base

The RC-30 and RC-30HV are closed bath, low profile chambers incorporating special features for confocal imaging. These features include user defined bath geometry and total volume, and a large viewing area. A 22 x 30 mm (#1 thickness) glass coverslip forms the top of the chamber, while a 22 x 40 mm coverslip (also #1 thickness) forms the chamber bottom, creating a closed bath. This design enables the chamber to be inverted in the mounting platform allowing it to be used with both inverted or upright microscopes. The final viewing aperture is 17.7 mm.

The RC-30WA is a wide aperture version of the RC-30HV. It uses a 40 mm diameter coverslip for its bottom surface and a 30 mm diameter coverslip for its top. The final viewing aperture is 25 mm. The chamber bottom is beveled to permit maximum access to the bottom coverslip.

#### Variable Bath Volume/Fast Perfusate Exchange

The side walls of the bath are formed by silicone gaskets sandwiched between the top and bottom coverslips. Wall height (i.e., spacing between the two coverslips) can range from 150-1000  $\mu\text{m}$  and is defined by the total thickness of the gaskets used. Blank gaskets are supplied with the chamber allowing the development of the customized bath geometry required for unique applications.

#### RC-30 RC-30HV RC-30WA

