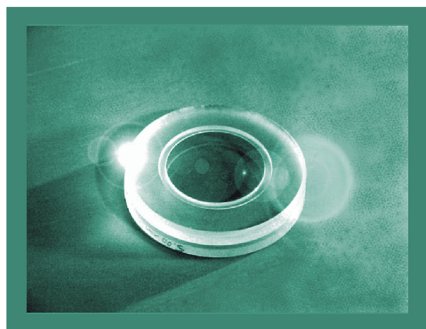
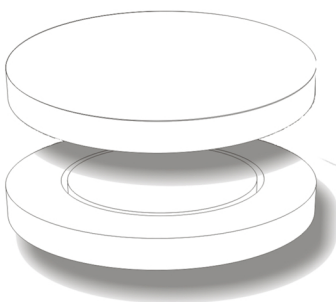


BioCell™

CaF₂ cells for IR/CD spectroscopy



 Customer Favorite



Universally compatible with every FT-IR spectrometer!

The CaF₂ cell for IR/UV-CD spectroscopy is a unique, easy to use accessory for water based experiments that is universally compatible with all FT-IR Spectrometers.

The cell is formed from two optically clear plates: one of which is perfectly flat; and its partner which has a precisely formed recess surrounded by a slightly deeper groove. The recessed area holds the sample against the opposing flat plate, while the surrounding groove keeps the sample from becoming displaced and spreading out. This unique design ensures the sample is uniformly maintained in the path of the light for good data acquisition as well as preventing evaporation.

The simple design also makes the cell easy to disassemble and clean between measurements.

Benefits

- Specifically designed for FT-IR & CD/VCD spectroscopy of biological molecules
- Useable spectral range of 67,000 - 1,000cm⁻¹
- ~6μm - ideal for aqueous solutions
~40μm - ~80μm - ideal for D₂O experiments
- Custom pathlengths available
- Small micro-liter volumes
- Size: 5 mm thickness x 50 mm diameter

Applications

- Protein/Peptide studies in water
- FT-IR Microscopy of aqueous samples such as living cells