

Precision Demountable Cells, SL-2 Demountable Cell Kit & Pres-N-Lok Demountable Cell



Demountable Cells



Sandwich cells available



Micro-Quik Cell
AgCl Windows

Demountable Cells are ideal for mulls, capillary films, cast films and thin films of finely powdered solids in slurry form. The Precision Demountable Cell ("PDC") can also be used for liquid analysis with its luer syringe fittings. The PDC is constructed of stainless steel and is designed for easy assembly and disassembly for cleaning and changing the pathlength. The inside surfaces of the PDC are lapped optically flat to ensure leak free seals. It can be completely disassembled for cleaning simply by unscrewing the convenient thumb screws on the front plate of the cell. The pathlength can be changed simply by using a spacer with a different thickness between the windows or by using sandwich cells. The window size is 38.5mm x 19.5mm x 4mm.

ICL's Pres-N-Lok Cell enables the user to analyze mulls and smears without the use of clumsy springs, nuts, and bolts. The cell is assembled by placing the sample on one (1) of two (2) 25mm x 4mm crystal windows separated by a PTFE spacer, dropping them into the bore of the inner barrel, and pressing in the outer barrel.

The Demountable SL-2 is the same as the SL-2 sealed precision liquid cell (see page 5), except

that the amalgam seal has been replaced by a demountable PTFE spacer, and gasket. The window size is 32mm x 3mm. The Demountable SL-2 Cell Kit comes complete with the cell and cell holder assembly for FTIR or dispersive, one PTFE O-ring, two gaskets, one aluminum needle/pin plate with luer lock syringe ports, two PTFE plugs, one space compensator for use with 2mm thick optical windows and assorted 32mm spacers, but without windows. The cell holder and mounting plate can also be used with sealed sandwich cells if precision pathlengths are required.

The Micro Quik Cell kit comes with 6 pressed AgCl 13 x 1mm windows, which cold flow for good seals and can be used with wet samples. AgCl transmits through the full spectral range of most FTIR spectrophotometers. Each window has a 0.025mm circular depression in the middle, allowing windows to be positioned face to face for a 0.05mm pathlength, back to face for a 0.025mm pathlength and back to back for making mulls. The windows have flat rims with a bevel to assure sealing in the mount provided with the kit.

Part No.	Description	Price
0006-497	Dispersive (rectangular aperture) Precision Demountable Cell, without windows	
0006-604	FTIR (circular aperture) Precision Demountable Cell, without windows	
0006-5064	Thumbscrews (1pk/4) for 2mm thick windows	
0006-2467	Pres-N-Lok Cell complete with assorted spacers, but without windows	
0006-2090	Micro Quik Cell Kit with cell, 6 AgCl windows and slide holder	
0006-4153	Demountable SL-2 Cell Kit for Dispersive Instrument, without windows	
0006-4154	Demountable SL-2 Cell Kit for FTIR Instrument, without windows	
0006-4122	Cell Holder for Dispersive Instrument without needle/pin plate	
0006-4124	Cell Holder for FTIR Instrument without needle/pin plate	



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