

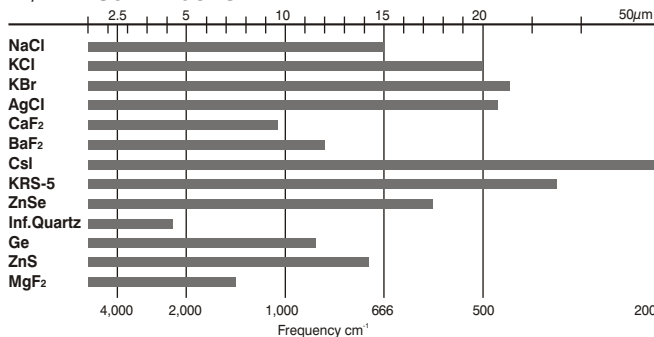
## Cells for IR and FTIR Spectrophotometers



The Precision Demountable Cell is ideal for mulls, capillary films, cast films and thin films of finely powdered solids in slurry form. The cell can also be used for liquids analysis with its luer syringe fittings. The cell is constructed of stainless steel and is designed for easy assembly and disassembly for cleaning and changing the pathlength. 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. These cells can be used with sandwich cells for a precision sealed pathlength. The window size is 38.5mm x 19.5mm x 4mm. The inside surface of the cell are lapped optically flat to ensure leak free seals. The clear aperture for the dispersive cell (rectangular) is 22mm x 10mm and the clear aperture for the FTIR cell (circular) is 16mm. An adapter ring may also be purchased to convert the cell to accept 25mm x 4mm windows.

The Precision Demountable Cell comes complete with a stainless steel holder, assorted spacer, gaskets, and instructions, but without windows.

### IR/FTIR Cell windows



Adapter ring for conversion to 25mm windows

### Part No. Description

- 0006-497 Dispersive (rectangular aperture) Precision Demountable Cell, without windows
- 0006-604 FTIR (circular aperture) Precision Demountable Cell, without windows
- 0006-4152 Adapter Ring to convert 0006-497 & 0006-604 for use with 25mm window

### Demountable Cell Windows

Cat. No.	Size	Material	Type
0002A-67	25mmX4mm	NaCl	Round
0002C-74	25mmX4mm	KBr	Round
0002D-181	25mmX4mm	CAF2	Round
0002A-82	25.2mmX5mm	NaCl	Round
0002C-81	25.2mmX5mm	KBr	Round
0002D-548	25.2mmX5mm	CAF2	Round
0002A-83	32mmx3mm	NaCl	Round
0002A-84	32mmx3mm Drilled	NaCl	Round
0002C-175	32mmx3mm	KBr	Round
0002C-118	32mmx3mm Drilled	KBr	Round
0002D-259	32mmx3mm	CAF2	Round
0002D-336	32mmx3mm Drilled	CAF2	Round
0002A-71	38.5mmX19.5mmX4mm	NaCl	Rectangular
0002A-70	38.5mmX19.5mmX4mm Drilled	NaCl	Rectangular
0002C-69	38.5mmX19.5mmX4mm	KBr	Rectangular
0002C-80	38.5mmX19.5mmX4mm Drilled	KBr	Rectangular
0002D-142	38.5mmX19.5mmX4mm	CAF2	Rectangular
0002D-92	38.5mmX19.5mmX4mm Drilled	CAF2	Rectangular

### Sealed Liquid Cells

Cat No.	Path Length	Material	Type
0005A-2899	0.015 MM	NaCl	Rectangular
0005C-2913	0.015 MM	KBr	Rectangular
0005D-2920	0.015 MM	CAF2	Rectangular
0005A-2900	0.025 MM	NaCl	Rectangular
0005C-2914	0.025 MM	KBr	Rectangular
0005D-2921	0.025 MM	CAF2	Rectangular
0005A-2901	0.05 MM	NaCl	Rectangular
0005C-2915	0.05 MM	KBr	Rectangular
0005D-2922	0.05 MM	CAF2	Rectangular
0005A-2902	0.1 MM	NaCl	Rectangular
0005C-2916	0.1 MM	KBr	Rectangular
0005D-2923	0.1 MM	CAF2	Rectangular
0005A-2903	0.2 MM	NaCl	Rectangular
0005C-2917	0.2 MM	KBr	Rectangular
0005D-2924	0.2 MM	CAF2	Rectangular
0005A-2904	0.5 MM	NaCl	Rectangular
0005C-2918	0.5 MM	KBr	Rectangular
0005D-2925	0.5 MM	CAF2	Rectangular
0005A-2905	1 MM	NaCl	Rectangular
0005C-2919	1 MM	KBr	Rectangular
0005D-2926	1 MM	CAF2	Rectangular
0005A-2969	0.015 MM	NaCl	Round
0005C-2986	0.015 MM	KBr	Round
0005D-2993	0.015 MM	CAF2	Round
0005A-2970	0.025 MM	NaCl	Round
0005C-2987	0.025 MM	KBr	Round
0005D-2994	0.025 MM	CAF2	Round
0005A-2971	0.05 MM	NaCl	Round
0005C-2988	0.05 MM	KBr	Round
0005D-2995	0.05 MM	CAF2	Round
0005A-2972	0.1 MM	NaCl	Round
0005C-2989	0.1 MM	KBr	Round
0005D-2996	0.1 MM	CAF2	Round
0005A-2973	0.2 MM	NaCl	Round
0005C-2990	0.2 MM	KBr	Round
0005D-2997	0.2 MM	CAF2	Round
0005A-2974	0.5 MM	NaCl	Round
0005C-2991	0.5 MM	KBr	Round
0005D-2998	0.5 MM	CAF2	Round
0005A-2975	1 MM	NaCl	Round
0005C-2992	1 MM	KBr	Round
0005D-2999	1 MM	CAF2	Round

The Sealed Liquid Cells designed for precise analysis of liquids. These cells come assembled with a leak-proof seal which is obtained by mercury amalgamating the luer lock syringe/pin plate to both the lead gasket and the window, thereby permitting the entire sealed window assembly to be removed with the ease normally associated with a demountable cell.

The Sealed Liquid Cell is available in dispersive and FTIR configurations. The price of the cell in the sealed cell configuration includes both the mount and the sandwich cell that fits in the mount. Must use proper cell filling technique for .015mm and .025mm pathlengths.

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