



C3 PROZESS- UND
ANALYSENTECHNIK GmbH

PRODUKTINFORMATION

SPEX SamplePrep Zubehör und Verbrauchsmaterialien

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X-CELLS® FOR XRF ANALYSIS



BUBBLE-FREE CELL INSERT

Patented insert for the 3527 40 mm X-Cell. Prevents trapped air from forming a bubble under the window film when the X-Cell is used in the upright position.



CLOSED X-CELL WITH WINDOW FILM

Disposable closed X-ray cell with window film used for fast, dependable, reproducible running of liquid samples in XRF spectrometers.



CLOSED X-CELL

Includes a polyethylene snap-ring and cup with snap-post vent and reservoir.

X-Cells® are disposable X-ray cells made of contaminant free polypropylene. Each cell consists of a cup and snap on ring(s). Designed primarily for liquid samples, they can also be used for other samples including powders, pastes, metal foils and scrap, paint chips, small machine parts, etc. X-Cells are available in various sizes to fit most XRF spectrometers.

The patented design features a snap-open seal (except the 3577 Micro X-Cell) which provides a vent for volatile samples, and a reservoir cup to catch liquid expanding through the vent. This assures the analyst of a smooth, flat window for improved precision, and guards against spillage in inverted-optic XRF spectrometers. A roughened surface within the reservoir cup permits labeling. The #3565 X-Cell is designed to fit the Horiba Sulfur Analyzer.

X-CELL® #	DESCRIPTION	OVERALL HEIGHT (mm)	OVERALL O.D. (mm)	WINDOW PLANE O.D. (mm)	APERTURE (mm)	CAPACITY (ml)
3529	31 mm X-Cell	22	32.0	30.5	24.5	8
3561	31 mm Universal X-Cell	22	31.6	31.6	24.5	8
3571	31 mm Open End X-Cell	22	31.6	31.6	24.5	10
3527	40 mm X-Cell	22	39.5	38.0	31.5	13
3565	43 mm X-Cell	19	48.0	43.0	38.8	11.5*
3577	Micro X-Cell	22	31.6	31.6	6.3	.05



Visit our website for more information!
Scan this code with the QR Reader on your smart phone
or visit www.spexsampleprep.com/xrfaccessories

SPEX® SamplePrep®

LIQUID HANDLING ACCESSORIES



WINDOW FILM FOR XRF ANALYSIS



KAPTON® FILM

Thin window film for XRF liquid sample cups. 0.3 mil (8µm) thick.



MYLAR® FILM

Thin window film for XRF liquid sample cups. 0.25 mil (6µm) thick



ULTRALENE FILM

Thin window film for XRF liquid sample cups. 0.16mil (4 µm) thick.

An X-Cell® liquid sample cell must be covered by a thin film which serves as the sample window. The film must effectively contain the liquid while allowing uniform transmission of the X-rays to the sample. Your choice of a window film depends on your analytical priorities and the nature of the sample. Our Window film are available in a roll or pre-cut.

We recommend comparing films, and for that purpose we offer the SPEX-Pack, with samples of every film and X-Cell we supply. We also suggest strongly that if there is any question about the compatibility of a sample with certain films and X-Cells, you test them together outside the spectrometer. Call 855-GET-SPEX for more information.

CATALOG® NUMBER	DESCRIPTION	FILM THICKNESS (mil) (micron)		TYPE	QUANTITY	DIAMETER OR WIDTH	CHARACTERISTICS
3511	Kapton®	0.30	8	roll	50 ft. (15m)	2 7/8" (73mm)	Extremely strong, chemically, resistant
3515	Mylar®	0.25	6	pre-cut	500 circles	3 1/4" (83mm)	Very strong, economical, chemically resistant.
3520	Polypropylene	0.20	5	roll	300 ft. (92m)	2 7/8" (73mm)	General purpose, good transmission characteristics
3524	Micro-porous Teflon®	0.20	micron pores	roll	17ft. (5m)	2" (51mm)	Gas slowly passes through during vacuum path operation
3525	Ultralene®	0.16	4	roll	300 ft. (92m)	2 7/8" (73mm)	Highest strength

Kapton®, and Teflon® are Registered Trademarks of E.I. du Pont de Nemours & Co., Inc. Mylar® is a Registered Trademark of DuPont Teijin Films.

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