

## Standard Transmission Sampling Kit – *Everything You Need to Run Liquid and Solid Samples by Transmission IR Spectroscopy*



This general purpose kit contains tools and materials for liquid and solid sampling. A demountable cell (drilled and undrilled windows with precision Teflon™ spacers, plus 2" x 3" standard cell holder) is provided for measurements of liquid samples. Viscous liquids can be measured directly as a thin film between the KBr windows. The kit includes a hand-operated press for the preparation of 7-mm KBr pellets. A mortar with pestle and Nujol™/Fluorolube® are provided for mull making – another popular method for preparation of solid samples. In addition, the kit contains a set of the most popular sample holders including a universal holder for polymer films, a KBr pellet holder and PIKE disposable/storage cardboard cards for pellets and polymer films. For a complete product listing, please refer to the table below.

### ORDERING INFORMATION

PART NUMBER	DESCRIPTION
162-1000	Standard Transmission Sampling Kit <i>Includes sample preparation tools, mull liquids, cells, windows and cell holders required for preparation and analysis of solid and liquid samples</i>

### INCLUDED PARTS AND MATERIALS

PART NUMBER	DESCRIPTION
160-8010	KBr Powder, 100 g
161-0510	Fluorolube, 1 oz
161-0500	Nujol, 1 oz
042-3035	Spatula, spoon
042-3050	Spatula, flat
161-5035	Mortar and Pestle, 35 mm
161-1027	PIKE Hand Press for KBr pellets
161-1010	7-mm Die Set
161-1018	KBr Pellet Holder
161-6000	Finger Cots (12 ea.)
162-1100	Demountable Liquid Cell Assembly
160-1010	Window, KBr, 32 x 3 mm (6 ea.)
160-1015	Window, KBr, 32 x 3 mm, drilled (6 ea.)
162-1290	Teflon Spacers, assortment
161-0521	Syringe, 2 mL (2 ea. in kit)
162-3610	Press-On Demountable Liquid Cell Holder for 32-mm windows
162-5600	Universal Sample Holder*
162-5300	Magnetic Film Holder for 13-mm pellets and film samples
162-5400	Film Sampling Card, 20-mm clear aperture (10 ea.)*

\* Note: Cell holders marked "\*" fit all standard slide mounts, but due to their height may not allow for a complete sample compartment door closure on some smaller spectrometers. Please consult PIKE Technologies before placing an order.

### FEATURES

- Complete kit for transmission FTIR sampling
- Make KBr pellets and mulls for solid samples
- Run liquid samples for qualitative and quantitative analysis
- Convenient padded carrying and storage case