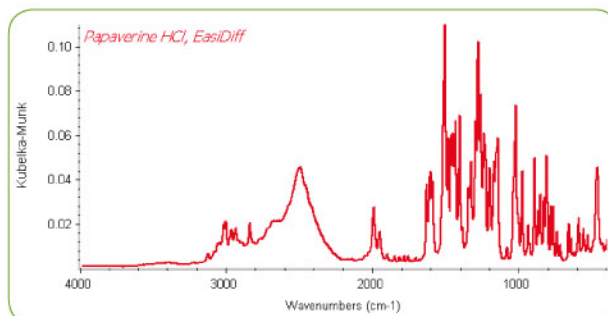


EasiDiff – Workhorse Diffuse Reflectance Accessory



A spectrum of papaverine hydrochloride (1% in KBr powder) collected using the PIKE Technologies EasiDiff diffuse reflectance accessory.

FEATURES

- Pre-aligned optical components for reproducible, high-quality data
- Micrometer-controlled sample positioning and focusing
- High-energy throughput providing nanogram sensitivity
- Precision slide for repeatable sample introduction and efficient collection of background and sample spectra
- Unique Sample Preparation and Loading Kit included

The PIKE Technologies EasiDiff is an economical, high-quality diffuse reflectance accessory designed to analyze a wide variety of solid samples. It is most often used in the analysis of pharmaceuticals, illicit drugs, inorganic solids and minerals, and powdered chemicals. The EasiDiff reduces the time required to produce an infrared spectrum compared to KBr pellet techniques. Typically, a small amount of sample (about 1%) is mixed with KBr powder and the spectrum is collected.

The EasiDiff employs an elegant, high-performance optical design for maximum energy throughput and ease of operation. Optical components critical to achieving this performance are permanently aligned. Focusing is achieved by bringing the sample (not the collection mirror) to the optimum position with a micrometer. A dual-position sample holder permits background and sample collection in a simple, two-step process.

A special version of the EasiDiff with gold-coated optics for NIR measurements is also available.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
042-10XX	EasiDiff Accessory with Sample Preparation Kit Includes 2 micro sample cups, 2 macro sample cups, EasiPrep Sample Preparation Kit, alignment mirror, 35-mm mortar with pestle and KBr powder (100 g)
042-50XX	EasiDiff Accessory, NIR Version with Gold-Coated Optics Includes 2 micro sample cups, 2 macro sample cups, EasiPrep Sample Preparation Kit, alignment mirror, 35-mm mortar with pestle and KBr powder (100 g)



Note: Replace XX with your spectrometer's Instrument Code. [Click for List >](#)

OPTION

PART NUMBER	DESCRIPTION
042-3010	Abrasion Sampling Kit Includes sample collector tool and stainless steel sample post, 25 diamond abrasive disks and 75 silicon carbide abrasive disks



Notes: The abrasion sampling kit is used to measure intractable solids. Disks are disposable. Ordering information for replacements may be found below.

REPLACEMENT PARTS AND SUPPLIES

PART NUMBER	DESCRIPTION
042-2010	Micro Sample Cup, 6.0 mm diameter, 1.6 mm deep (2 ea.)
042-2020	Macro Sample Cup, 10 mm diameter, 2.3 mm deep (2 ea.)
042-2025	EasiDiff Sample Slide
160-8010	KBr Powder (100 g)
042-3020	Abrasion Disks, silicon carbide (100 ea.)
042-3025	Abrasion Disks, diamond (50 ea.)
042-3030	Sample Cup Holder and Base
042-3040	Sample Preparation Kit
042-3080	Alignment Mirror, aluminum
042-3082	Alignment Mirror, gold
042-3060	Flat Sample Post

Note: Please contact PIKE Technologies for items not described in this list.