

# TELOS<sup>®</sup> ENV

## Solid Phase Extraction Columns

*Polymeric Sorbent for Polar, Water Soluble Analytes*

- Styrene Divinylbenzene Copolymer
- Optimised particle size distribution for reproducible flow and fines-free extracts
- High surface area provides reproducible retention of polar analytes
- Column formats for small and large volume samples

TELOS<sup>®</sup> ENV SPE Columns from Kinesis provide an ideal solution for the extraction of water soluble organic compounds from aqueous matrices. A combination of optimised chemistry and excellent flow characteristics means TELOS ENV SPE Columns provide reliable extraction of a wide range of analytes from a variety of aqueous samples.



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 **Kinesis**  
Scientific Experts

# TELOS<sup>®</sup> ENV

## SPE Columns

### High Reproducible Recoveries

The surface of the DVB polymeric sorbent has been optimised to provide the required levels of non-polar interactions, water-wettable character and surface area to extract a range of water soluble compounds from aqueous samples.

This high surface area (~900 m<sup>2</sup>/g) provides excellent retention of very polar analytes including Phenols and Phenoxyacid Herbicides from environmental samples, and drug metabolites from biological fluids.

Kinesis has a range of Application Notes detailing the use of TELOS ENV SPE Columns. Visit your local Kinesis website at the bottom of the page and follow the Resources link.

### Excellent Flow Characteristics

Whatever the sample type or volume, consistent flow characteristics from column-to-column can be pivotal to obtaining reliable results. The surface chemistry, particle size distribution and packing technique are carefully controlled to provide optimum SPE column performance, whether dealing with large volume or viscous sample matrices.

### No Extract Contamination

The individual components of the TELOS ENV SPE Columns are tested at each stage of manufacture to provide a high quality product. Each batch of sorbent is cleaned post-synthesis to ensure removal of reagents and impurities, so there is no leaching from the finished SPE column. Tubes and frits are cleaned to a high standard and the assembled SPE column is tested for purity before being packaged. The columns are packaged in sealed foil bags to protect them from moisture and other environmental contaminants.

### Environmental Samples

For large volume environmental water samples (>500ml), the TELOS ENV 200mg configurations are recommended. They provide the capacity that some large volume samples demand, and flexibility in choosing the correct column dimensions for your sample flow requirements. For smaller sample volumes, choose the 100mg column.

### Biological Fluids

TELOS ENV 100mg/3ml columns are the ideal configuration for biological fluids applications, including the extraction of polar drug metabolites from biological fluids such as urine and plasma. For larger sample volumes, the 200mg/3ml columns provide additional capacity. The 200mg/6ml configuration may also be useful for particularly viscous samples where additional sample dilution is necessary to provide adequate sample flow.

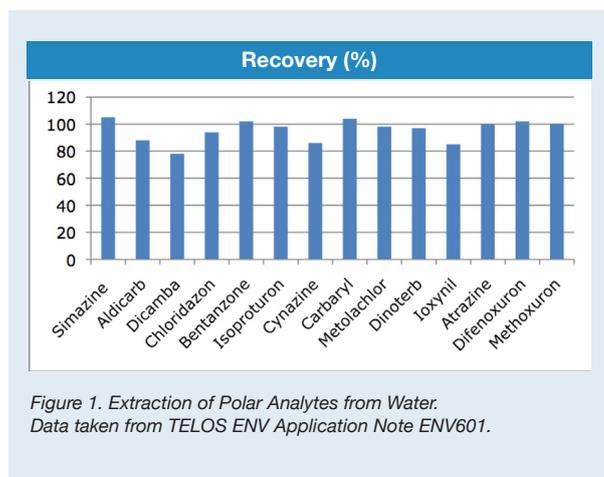


Figure 1. Extraction of Polar Analytes from Water.  
Data taken from TELOS ENV Application Note ENV601.

Part Number	Description	Pack Size
690-100M-003T	TELOS ENV 100mg/3ml SPE Columns	50
690-200M-003T	TELOS ENV 200mg/3ml SPE Columns	50
690-200M-006T	TELOS ENV 200mg/6ml SPE Columns	30

Please contact Kinesis for additional information about other configurations.

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