



TELOS

TELOS™ H-CX Solid Phase Extraction Columns *For Basic Drug Extraction from Biological Fluids*

- **Mixed-mode silica-based chemistry provides cleaner extracts**
- **Single particle chemistry ensures robust extraction procedures**
- **Selectively extracts a wide range of basic drugs from biological fluids, hair and other matrices**
- **Can be used for screening basic, acidic and neutral drugs**
- **Suitable for a range of applications in forensic / toxicology and clinical analysis**

TELOS™ H-CX SPE Columns from Kinesis are mixed-mode columns for the extraction of basic drugs from biological fluids. The hydrophobic and strong cation exchange functional groups are optimised to ensure TELOS H-CX SPE Columns provide a robust and reliable sample preparation approach for the extraction of a wide range of basic drugs from sample matrices including urine, blood and hair.

TELOS H-CX SPE Columns

High and Reproducible Recoveries

The surface chemistry has been optimised to provide the required levels of non-polar and cation exchange interactions, without compromising the applicability to a wide range of basic compounds. Due to the close proximity of both functional groups (on one particle), TELOS H-CX SPE Columns provide an efficient analyte transfer from the non-polar to ion exchange sites.

TELOS H-CX SPE Columns are ideal for confirmation analysis of the most common Drugs of Abuse (DOA) classes, including those listed by NIDA/SAMHSA. The mixed-mode columns are also suitable for DOA or toxicology screening applications, where different drug classes of differing functionalities are extracted from one sample.

Kinesis has a range of Application Notes detailing the use of TELOS H-CX SPE Columns. To download, visit www.kinesis.co.uk/TELOS-H-CX and follow the Application Notes link.

Excellent Flow Characteristics

Whatever the sample type or volume, consistent flow characteristics from column-to-column are pivotal to obtaining reliable results. The particle size distribution and packing technique are carefully controlled to provide optimum SPE column performance, whether dealing with blood, tissue or urine samples.

No Extract Contamination

The individual components of the TELOS H-CX SPE Columns are tested at each stage of manufacture to provide a high quality product. Each batch of sorbent is cleaned after manufacturing, 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 sealed to protect them from moisture and other environmental contaminants.

Ordering Information

Kinesis offers a range of configurations to suit all common sample types and volumes. The 130 and 300mg columns are the formats of choice for drugs of abuse extraction and confirmation analysis. All configurations are compatible with manual and automated processing.

TELOS H-CX SPE Columns are stocked locally in the UK, ensuring rapid delivery at competitive prices.

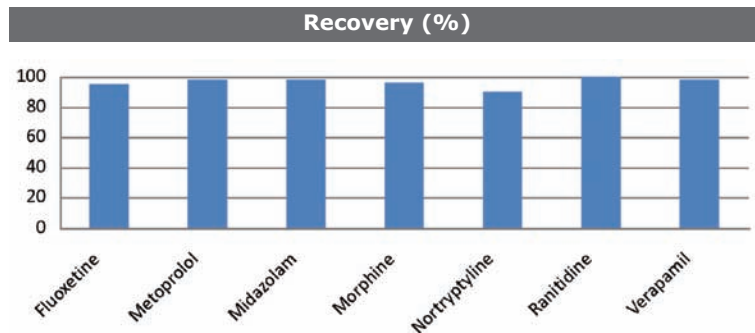


Figure 1. Recovery data for a range of basic drugs from urine toxicology screen

Description	Part Number
TELOS H-CX 50mg/1ml (PK/100)	500-050M-001T
TELOS H-CX 130mg/3ml (PK/50)	500-130M-003T
TELOS H-CX 200mg/3ml (PK/50)	500-200M-003T
TELOS H-CX 300mg/3ml (PK/50)	500-300M-003T
TELOS H-CX 300mg/6ml (PK/30)	500-300M-006T

For more information or for any parts not listed please contact Kinesis
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