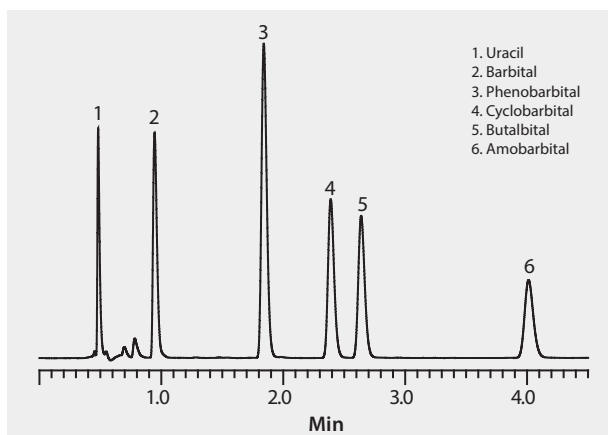


UHPLC Analysis of Barbiturates on Titan™ C18

Analysis of a barbiturate mix using an MS-compatible mobile phase and a Titan C18 UHPLC column is shown here. Fluka LC-MS Ultra CHROMASOLV solvents were used to supply low background interference and low particulate contaminants for robust, trouble-free operation. Cerilliant CRMs provided reliable identification and quantification.

market focus Clinical; Forensics and Toxicology; Pharmaceutical (small molecule)
 column Titan C18, 10 cm x 2.1 mm I.D., 1.9 µm particles (577124-U)
 mobile phase [A] 0.1% ammonium acetate (not adjusted); [B] acetonitrile; (70:30, A:B)
 flow rate 0.4 mL/min
 pressure 7540 psi (520 bar)
 column temp. 35 °C
 detector UV, 230 nm
 Application No. **G006073**



Related Products

- analytical column
Titan™ C18 UHPLC Column, 1.9 micron ([Supelco 577124-U](#))
- mobile phase component
Acetonitrile ([Fluka 14261](#))
Ammonium acetate ([Fluka 14267](#))
Water ([Fluka 14263](#))
- standard
Barbital ([Sigma B0375](#))
Butalbital solution ([Cerilliant B-006](#))
Phenobarbital solution ([Cerilliant P-008](#))
Uracil ([Sigma U0750](#))