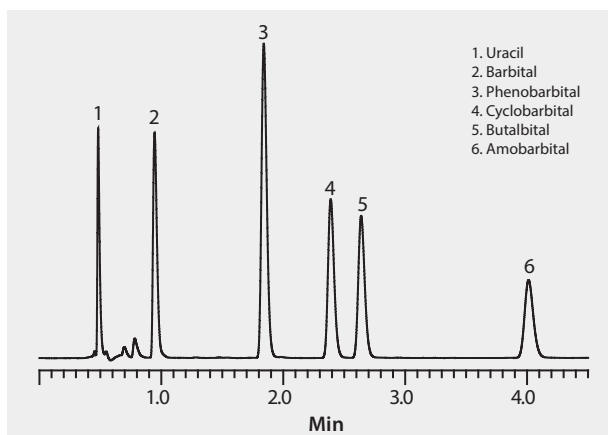


## UHPLC Analysis of Barbiturates on Titan™ C18

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](#))