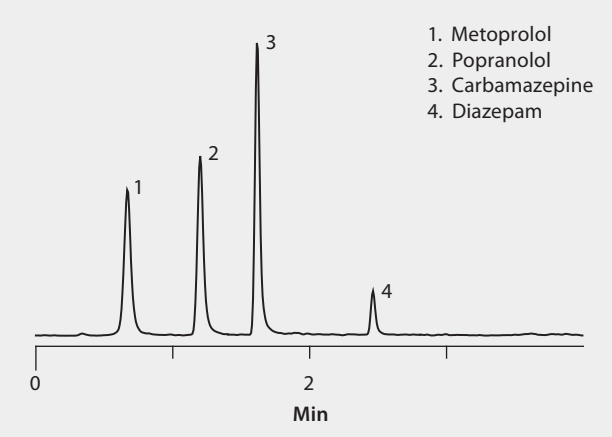
Email: techserv@sial.com

UHPLC/MS Analysis of Various Drug Substances on Titan™ C18

A Titan C18 column provided rapid, baseline resolution of this set of drug substances. 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.

column	Titan C18, 5 cm x 2.1 mm I.D., 1.9 µm particles (577122-U)
mobile phase	[A] 5 mM ammonium formate; [B] 5 mM ammonium formate in 90:10 (v:v) acetonitrile:water
gradient	30 to 70% B in 3.0 min
flow rate	0.3 mL/min
column temp.	35 °C
detector	MS/MS
injection	3 µL
sample	50 ng/mL in methanol
Application No.	G006149



Related Products

analytical column
Titan™ C18 UHPLC Column, 1.9 micron (Supelco 577122-U)
mobile phase component
Acetonitrile (Fluka 14261)
Ammonium formate (Fluka 14266)
Water (Fluka 14263)
standard
Carbamazepine solution (Cerilliant C-053)
Diazepam solution (Cerilliant D-907)
Metoprolol tartrate solution (Cerilliant M-123)
Propranolol hydrochloride solution (Cerilliant P-055)