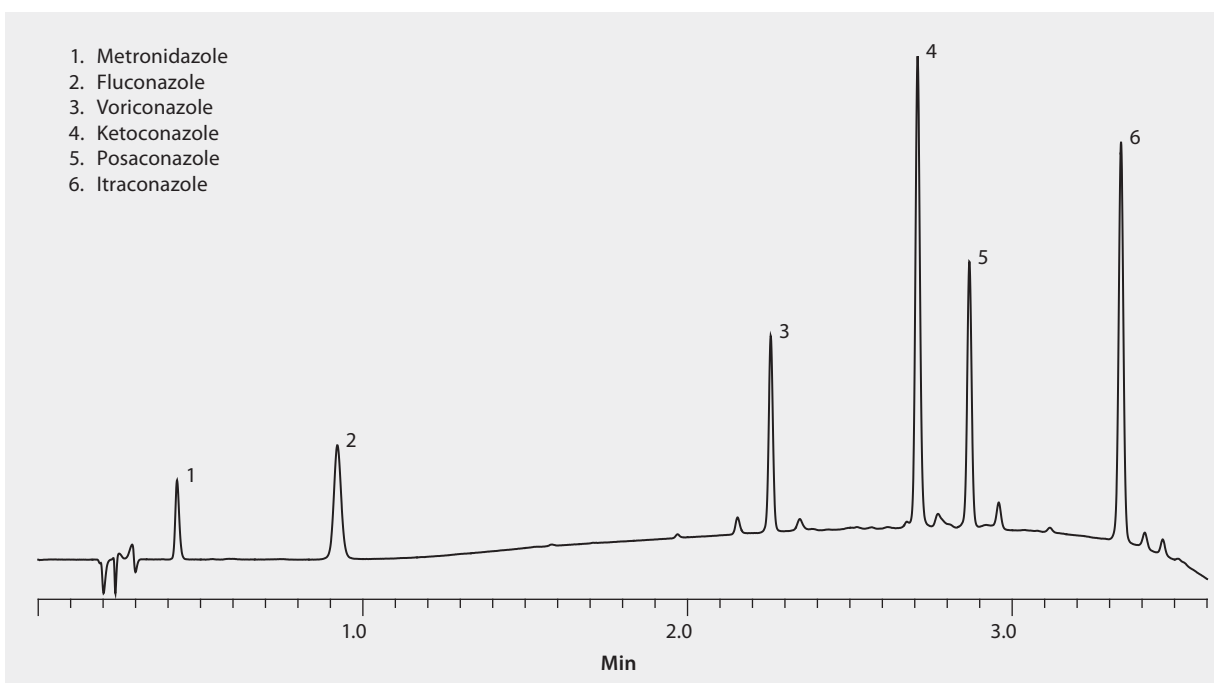


## UHPLC Analysis of Antifungals on Titan™ C18

The extremely rapid (~3 minutes) resolution of six antifungal compounds on an Titan C18 column is shown in this application. Titan particles feature totally porous, monodisperse silica. 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	Pharmaceutical (small molecule)
column	Titan C18, 5 cm x 3.0 mm I.D., 1.9 µm particles (577126-U)
mobile phase	[A] 5 mM ammonium acetate pH 6.8 unadjusted in 80:20, water:acetonitrile; [B] 5 mM ammonium acetate pH 6.8 unadjusted in 5:95, water:acetonitrile;
gradient	0% B; to 100% B in 3 min; 100% B held for 0.6 min
flow rate	1.0 mL/min
pressure	4350 psi (300 bar)
column temp.	35 °C
detector	UV, 205 nm
injection	1 µL
sample	6 antifungal 50 µg/mL in 70:30, water:methanol
Application No.	G006255



### Related Products

#### analytical column

Titan™ C18 UHPLC Column, 1.9 micron ([Supelco 577126-U](#))

#### mobile phase component

Acetonitrile ([Fluka 14261](#))

Ammonium acetate ([Fluka 14267](#))

Water ([Fluka 14263](#))

#### standard

Fluconazole solution ([Cerilliant F-031](#))

Itraconazole solution ([Cerilliant I-015](#))

Ketoconazole solution ([Cerilliant K-004](#))

Metronidazole solution ([Cerilliant M-183](#))

Posaconazole solution ([Cerilliant P-103](#))

Voriconazole solution ([Cerilliant V-032](#))