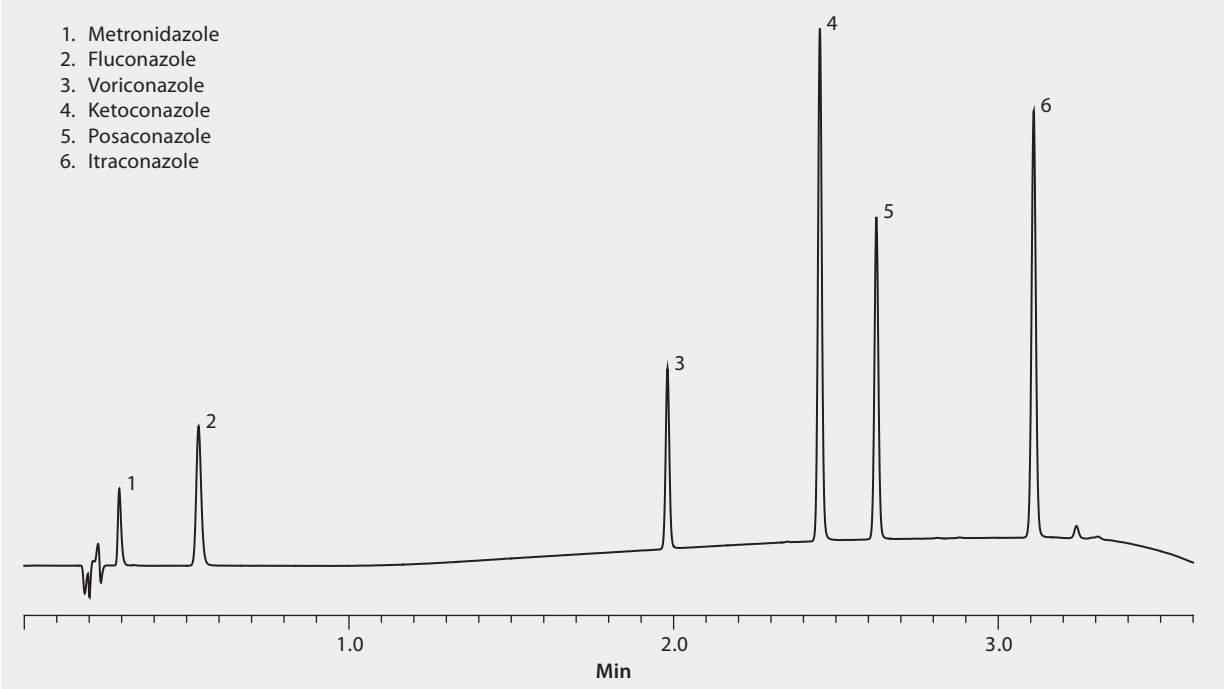
Email: techserv@sial.com

UHPLC Analysis of Antifungals on Ascentis® Express C18

The extremely rapid (~3 minutes) resolution of six antifungal compounds on an Ascentis Express C18 column is shown in this application. 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	Ascentis Express C18 5 cm x 3.0 mm I.D., 2.7 µm particles (53811-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	2790 psi (192 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.	G006256



Related Products

analytical column
Ascentis® Express C18, 2.7 Micron HPLC Column (Supelco 53811-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)