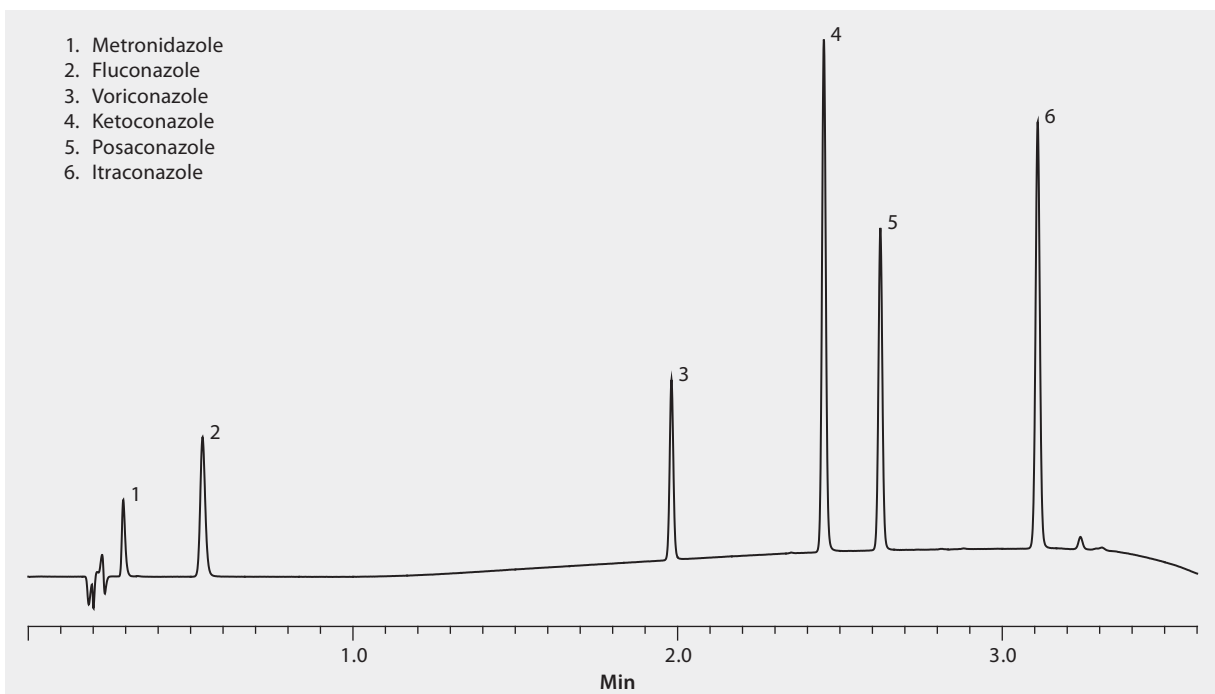


UHPLC Analysis of Antifungals on Ascentis® Express C18

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](#))