

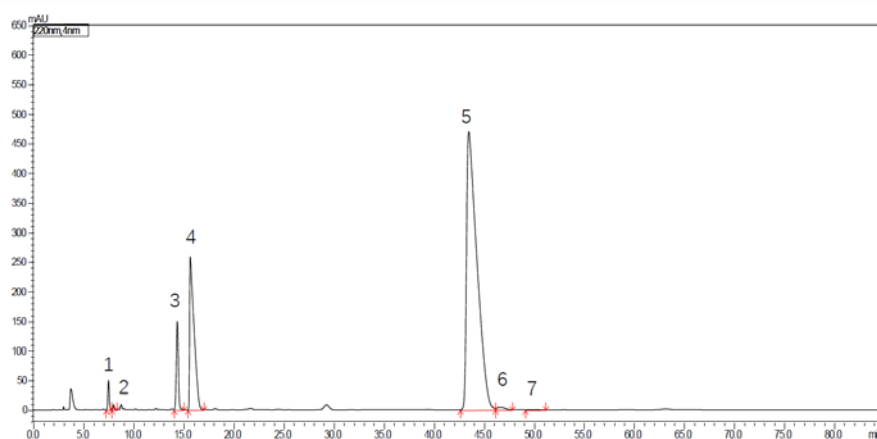
CoreFocus
Report
No.290

LC Reversed-phase Shim-pack Series

Shim-pack™ VP-ODS

Analysis of Cefoperazone Sodium and Sulbactam Sodium for Injection

Keywords: β-lactam antibiotics, antibacterial drug



- 1 Impurity A
 - 2 Penicillamine
 - 3 Impurity C
 - 4 Sulbactam
 - 5 Cefoperazone
 - 6 Unknown Impurity
 - 7 Impurity S
- (Cefoperazone and Sulbactam in mobile phase (4 mg/mL))

| | |
|----------------|---|
| Column | : Shim-pack VP-ODS (250 x 4.6 mm I.D., 5 μm), P/N : 228-34937-92 |
| Mobile phase | : A) 5 mmol/L Tetrabutylammonium hydroxide (40% Tetrabutylammonium hydroxide 6.6 mL + 1800 mL water → adjusting to pH 4.0 with 1 mol/L Phosphoric acid → total volume 2000 mL by dilution of water) B) Acetonitrile A/B = 76/24 |
| Flow rate | : 1.0 mL/min |
| Column temp. | : 30°C |
| Injection vol. | : 10 μL |
| Vial | : LabTotal™ Vial for LC/LCMS, P/N : 227-34001-01 |
| Detection | : UV 220 nm |

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