

## Analysis of $\beta$ -Lactam Antibiotic (Moxalactam)

**Method**  
HPLC

VPH0023J  
RP Mode

**Column:** Eurospher 100-5 C18, 300 x 4.0 mm ID

**Order No.** 30DE181ESJ

**Phase:** Eurospher 100-5 C18

**Conditions:** Eluent: Methanol / 0.05 M Kalium phosphate (5:95) adjusted to pH 6.5  
Gradient: isocratic  
Flow rate: 2.0 ml/min  
Temperature: 20 °C  
Volume: 10  $\mu$ l

**Detection:** UV at 254 nm

**Substances:** Moxalactam, Methyl-1H-tetrazole-5-thiol

**Keywords:** Drugs, Antibiotics

**Chromatogram:**

1. 1-Methyl-1H-tetrazole-5-thiol
2. R-Moxalactam
3. S-Moxalactam

