

# HPLC Application

ID No.: 22988

## Cefaclor forced degradation on Kinetex 2.6 µm EVO C18

**Column:** Kinetex<sup>®</sup> 2.6µm EVO C18 100 Å, LC Column 100 x 4.6 mm, Ea

**Dimensions:** 100 x 4.6 mm ID

**Order No:** 00D-4725-E0

**Elution Type:** Gradient

**Eluent A:** 0.1% H<sub>3</sub>PO<sub>4</sub> in Water

**Eluent B:** 0.1% H<sub>3</sub>PO<sub>4</sub> in ACN

<b>Gradient Profile:</b>	<b>Step No.</b>	<b>Time (min)</b>	<b>Pct A</b>	<b>Pct B</b>
	<b>1</b>	0	95	5
	<b>2</b>	6	60	40

**Flow Rate:** 1.75 mL/min

**Col. Temp.:** ambient

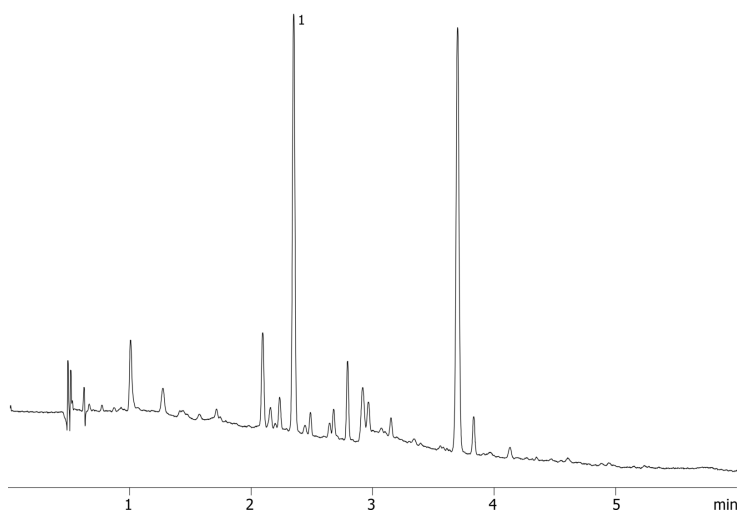
**Detection:** UV-Vis Abs.-Variable Wave.(UV) @ 254 nm (ambient)

**Analyst Note:** Forced degradation protocol:

22988 Reconstitute 1 mg of cefaclor neat standard with 1.0 mL of 1 M HCl. Heat the solution at 60 °C for 6 hours then neutralize with 1.0 mL of 1 M NaOH. Refrigerate until ready to inject.



Products used in this application:



### ANALYTES:

**1** Cefaclor

