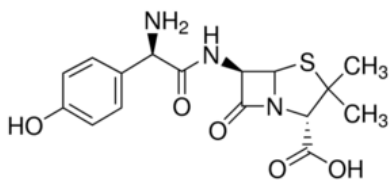
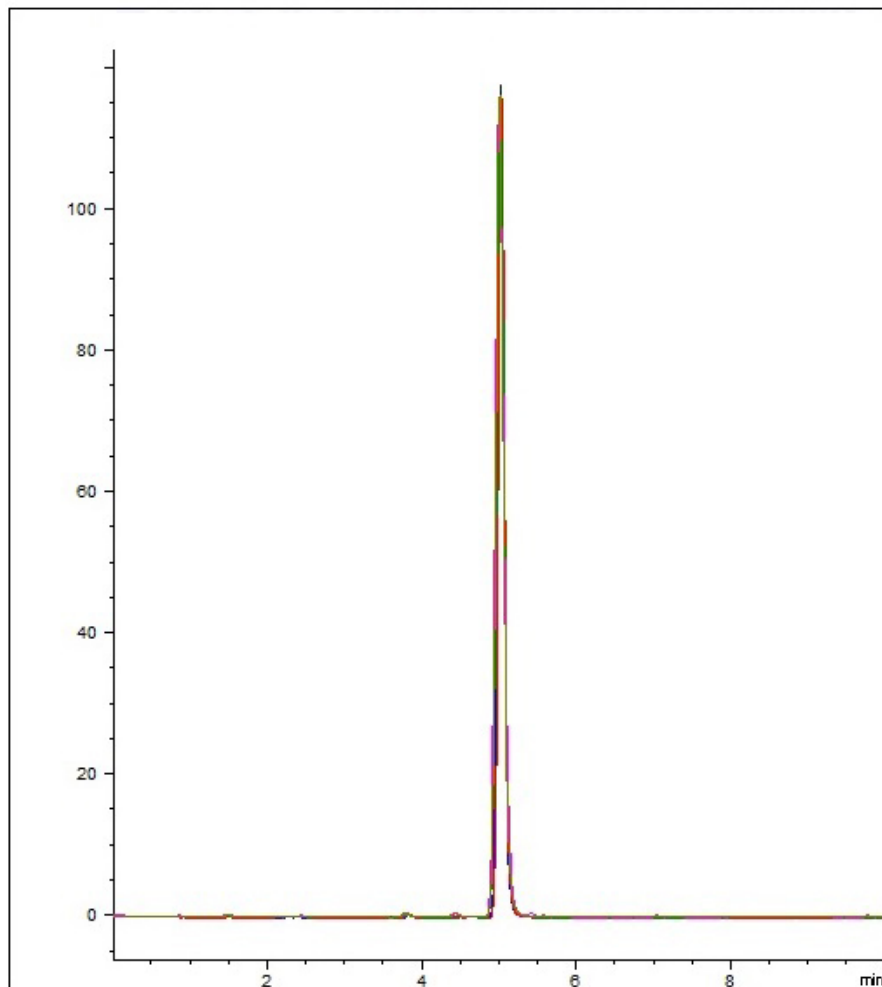


## Amoxicillin USP Assay with HPLC - AppNote

### Alternate L1 Column used for the USP Assay Method for Amoxicillin

This USP Amoxicillin Assay is performed and a five injection overlay shows Run to Run consistency and Precision. The Peak Efficiency is very good and Peak Tailing guidelines are easily met with RSD values less than 0.3%. This demonstrates a good alternate Column for your Amoxicillin USP Method.



### Peak:

Amoxicillin

### Method Conditions:

**Column:** Cogent Hyper Similar C18™, 5µm, 150Å

**Catalog No.:** 62518-25P

**Dimensions:** 4.6 x 250mm

# MICROSOLV

**Mobile Phase:** 96:4 Buffer / Acetonitrile

*Buffer: 6.8g / L Monobasic Potassium Phosphate (adjusted with 45% Potassium Hydroxide to a pH of 5.0 +/- 0.1)*

**Injection vol.:** 10µL

**Flow rate:** 1.0mL / minute

**Detection:** UV @ 230nm

**Sample Preparation:** Amoxicillin 1.2mg / mL in Buffer

**Note 1:** Amoxicillin is a semisynthetic antibiotic and analog of ampicillin, with a broad spectrum of bactericidal activity against many Gram-positive and Gram-negative microorganisms.

**Note 2:** The Cogent Hyper Similars C18™ performs very similarly to the Thermo Fisher Hypersil® C18.



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