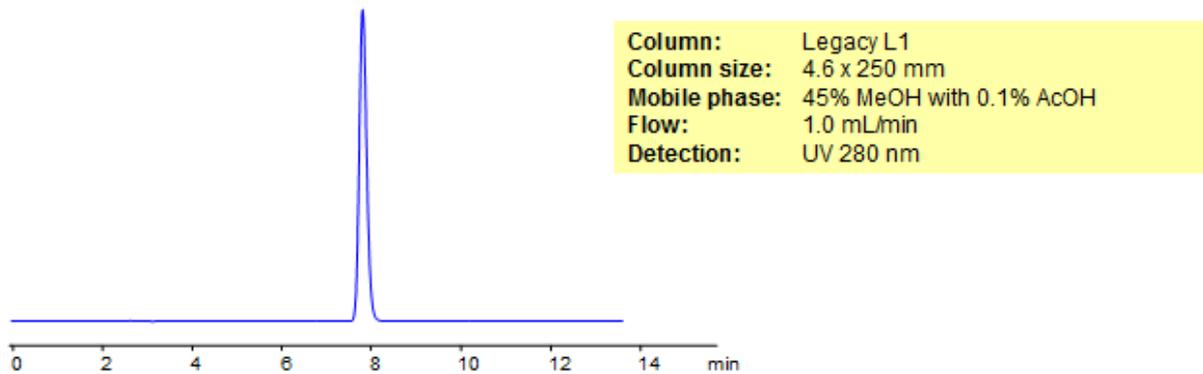


## HPLC Analysis of Chloramphenicol



Chloramphenicol is a broad-spectrum antibiotic useful in treating conjunctivitis and many other infections. It is notable as an antibiotic for developing nations due to its low cost. It was analyzed on a Legacy L1 column which uses reverse-mode to retain hydrophobic compounds. Comparisons between Legacy L1 and Phenomenex columns are available upon request.

SIELC's family of Legacy columns is based on the United States Pharmacopeia's (USP) published chromatographic methods and procedures. Numerous brands have columns used in USP reference standards and methods. USP has created various designations to group together columns with similar types of packing and properties in the solid phase. SIELC's Legacy columns adhere to these strict requirements and properties, allowing you to easily replace older columns that are no longer available without needing to significantly modify your method or SOPs.

### Method Parameters

<b>Column</b>	Legacy L1, 4.6x250 mm, 5 µm, 100 Å
<b>Mobile Phase</b>	MeOH – 45%
<b>Buffer</b>	Acetic Acid – 0.1%
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	UV, 280 nm

Quelle: <https://sielc.com/Application%20HPLC%20Analysis%20of%20Chloramphenicol>