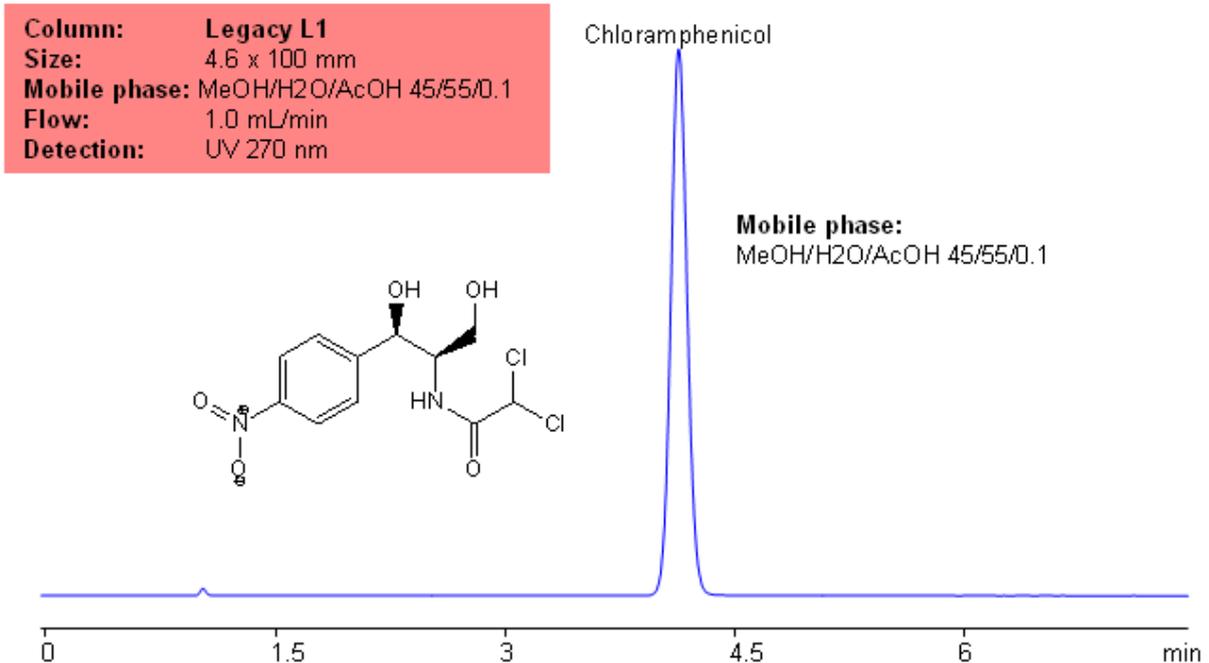


USP Methods for Chloramphenicol using a Legacy L1 Column



Application Notes: Chloramphenicol is a common broad spectrum antibiotic developed in the 1940's. According to the USP methods, chloramphenicol should contain no less than 97.0% and no more than 103% of chloramphenicol calculated on a dried basis. The USP HPLC method for the analysis of chloramphenicol was developed on Legacy L1 column according to the US Pharmacopeia methodology. L1 classification is assigned to reversed-phase HPLC column containing C18 ligand. Support for the material is spherical silica gel with particles size 3-10 µm and pore size of 100-120 Å.

Application Columns: Legacy L1 C18HPLCcolumn

Application compounds: Chloramphenicol

Mobile phase: MeOH/H₂O/AcOH45/55/0.1

Detection technique: UV

Reference: USP30: NF35

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

Column	Legacy L1, 4.6x150 mm, 5 µm, 100 Å
Mobile Phase	MeOH/H ₂ O/AcOH45/55/0.1
Buffer	AcOH
Flow Rate	1.0 mL/min
Detection	UV, 270 nm

Quelle: <https://sielc.com/Application-USP-Methods-for-Chloramphenicol-using-a-Legacy-L1-Column>