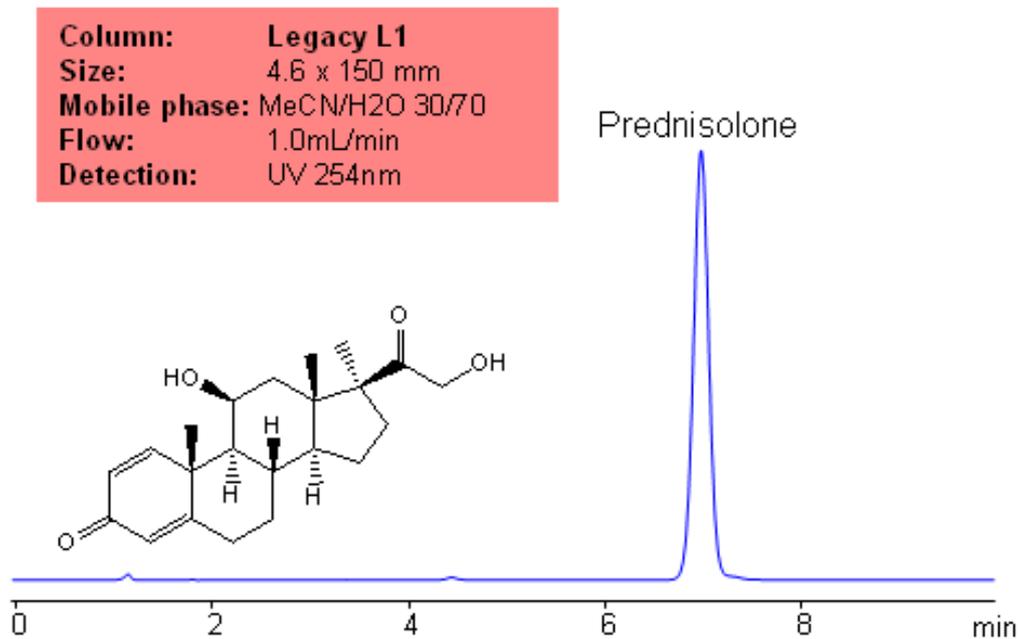


USP Methods for the Analysis of Prednisolone with the Legacy L1 Column



Application Notes: Prednisolone is a metabolite of prednisone. Prednisone is a common drug used to treat inflammatory diseases. The USP HPLC method for the separation of pyridoxine 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. Resolution between critical pairs corresponds to rules and specifications of UPS.

Application Columns: Legacy L1 C18HPLCcolumn

Application compounds: Prednisolone

Mobile phase: MeCN/H₂O 30/70

Detection technique: UV

Reference: USP35: NF30

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 – 30/70% |
| Buffer | No |
| Flow Rate | 1.0 mL/min |
| Detection | UV, 254 nm |

Quelle: <https://sielc.com/Application-USP-Methods-for-the-Analysis-of-Prednisolone-with-the-Legacy-L1-Column>