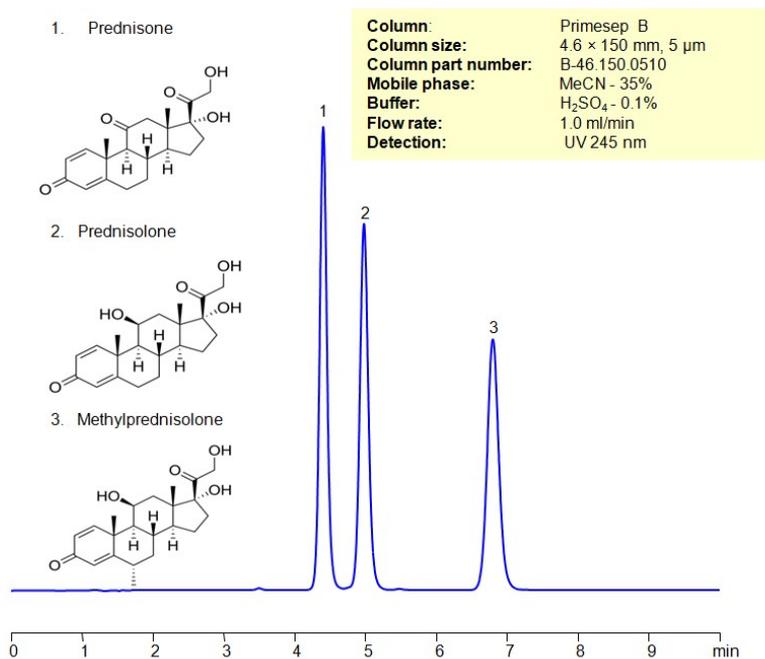


## HPLC Method for Separating Corticosteroids such as Prednisone, Prednisolone and Methylprednisolone on Primesep B Column



All three compounds have potent anti-inflammatory effects, making them valuable in treating conditions where inflammation plays a role.

Corticosteroids can be retained, separated, and analyzed using a Primesep B mixed-mode stationary phase column. The analysis utilizes an isocratic method with a simple mobile phase consisting of water, acetonitrile (MeCN), and sulfuric acid as a buffer. Detection is achieved using UV at 245 nm

### Method Parameters

<b>Column</b>	Primesep B, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
<b>Mobile Phase</b>	MeCN/H <sub>2</sub> O – 35/65%
<b>Buffer</b>	H <sub>2</sub> SO <sub>4</sub> -0.1%
<b>Flow Rate</b>	1.0 mL/min
<b>Detection</b>	UV 245 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-bile-corticosteroids>