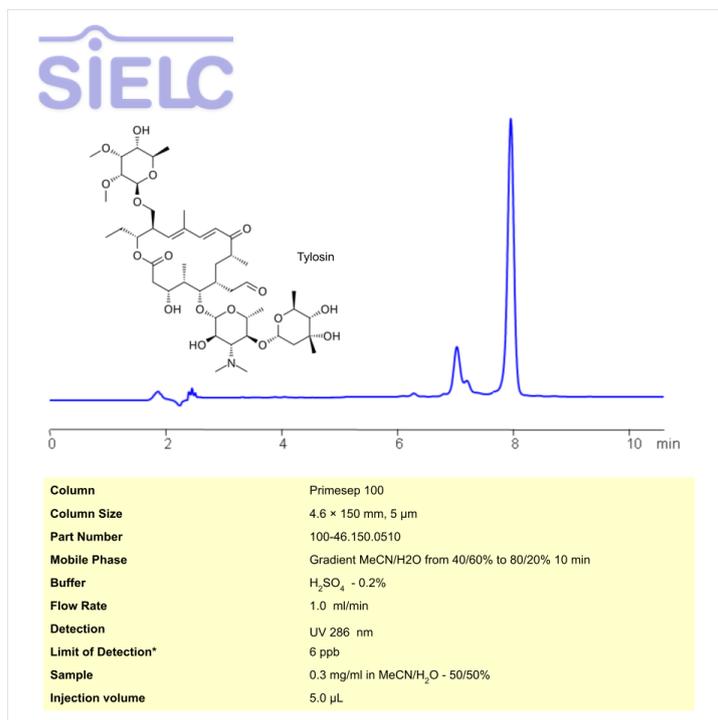


HPLC Method for Analysis of Tylosin on Primesep 100 Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of Tylosin

Tylosin is an antibiotic with the molecular formula C₄₆H₇₇NO₁₇. It is typically used to treat infections and inflammations, especially in veterinary cases. It can be administered orally as a powder or liquid or through injection.

Tylosin can be retained and analyzed using the Primesep 100 stationary phase column. The analysis utilizes a gradient method with a simple mobile phase consisting of water and acetonitrile (MeCN) with a sulfuric acid buffer. Detection is performed using ELSD.

*LOD was determined for this combination of instrument, method, and analyte, and it can vary from one laboratory to another even when the same general type of analysis is being performed.

Method Parameters

Column	Primesep 100, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	Gradient MeCN/H ₂ O from 40/60% to 80/20% 10 min
Buffer	H ₂ SO ₄ – 0.2%
Flow Rate	1.0 mL/min
Detection	UV 286

Quelle: <https://sielc.com/hplc-elsd-method-for-analysis-of-tylosin>