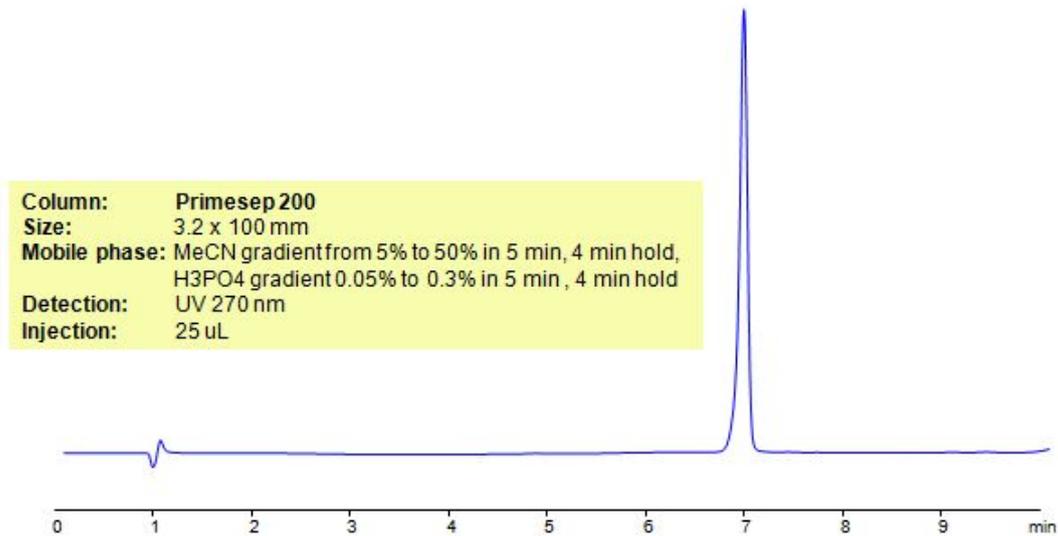


HPLC Method for Analysis of B-Estradiol on Primesep 200 Column



High Performance Liquid Chromatography (HPLC) Method for Analysis of B-Estradiol

B-Estradiol is an estrogen steroid hormone. It is the major estrogen secreted by the premenopausal ovary. It is synthesized from testosterone primarily in the ovarian granulosa cells and placenta. B- estradiol is used as a medication, for instance in menopausal hormone therapy. Primesep 200, a reverse phase column , contains embedded acidic ionizable groups and can retain B-Estradiol. The method is UV compatible and can be used as a general approach for analyzing similar compounds.

Method Parameters

Column	Primesep 200, 3.2 x 100 mm, 5 µm, 100 Å, dual ended
Mobile Phase	Gradient MeCN – 5-50%, 5 min, 4 min hold
Buffer	Gradient H2SO4 – 0.05-0.3%, 5 min, 4 min hold
Flow Rate	1.0 mL/min
Detection	UV, 270 nm

Quelle: <https://sielc.com/hplc-method-for-analysis-of-b-estradiol>