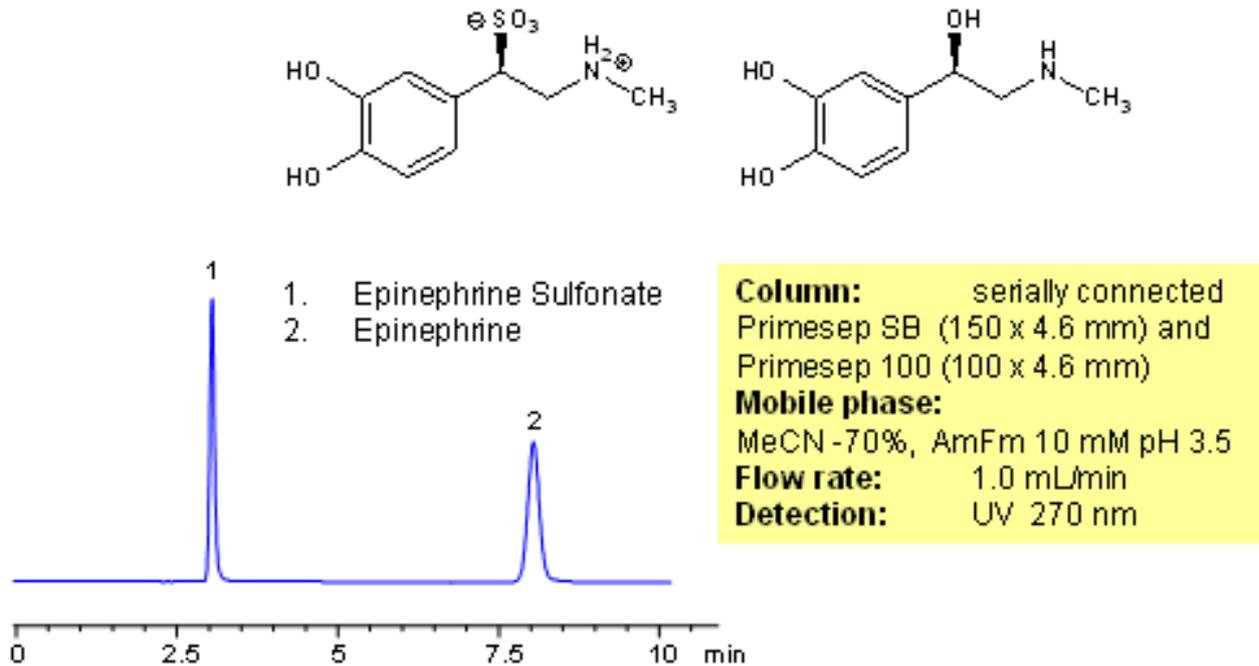


HPLC Separation of Epinephrine and Epinephrine Sulfonate



Epinephrine and epinephrine sulfonate are separated on combination of Primesep 100 and Primesep SB HPLC columns. Primesep 100 column retains epinephrine by combination of reversed-phase and cation-exchange mechanisms. Epinephrine sulfonate is retained by weak reversed-phase mechanism. Due to strong zwitter-ionic nature of epinephrine sulfonate, ionic interaction is not available for this molecule. Compounds can be monitored by UV, ELSD, CAD or LC/MS.

Method Parameters

Column	Primesep SB, Primesep 100 4.6x250 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H ₂ O – 70/30%
Buffer	AmFm
Flow Rate	1.0 mL/min
Detection	UV, 270 nm

Quelle: <https://sielc.com/Application-HPLC-Separation-of-Epinephrine-and-Epinephrine-Sulfonate>