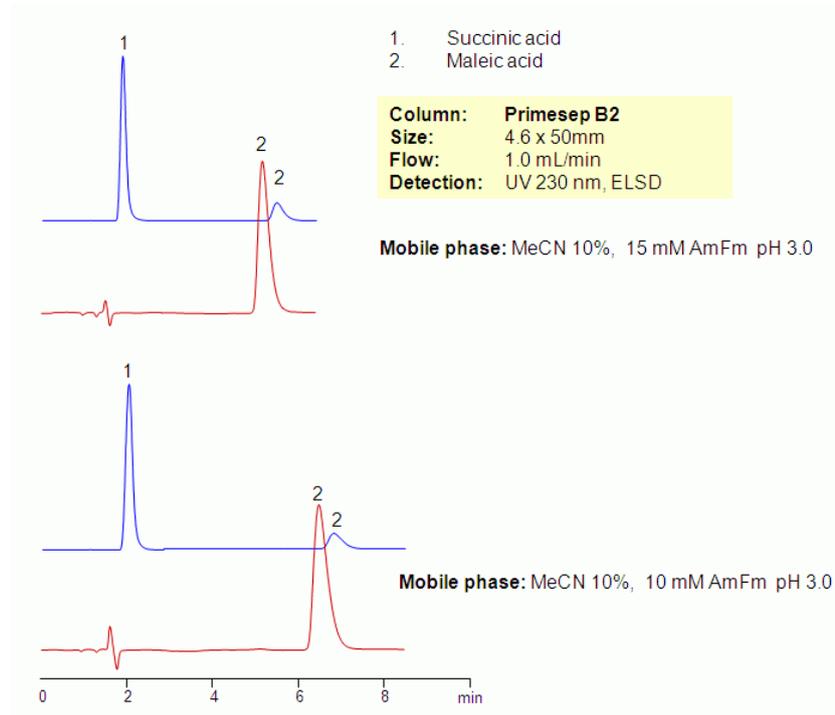


Separation of Maleic and Succinic Acid on Primesep B2 column



Organic and inorganic acids can be retained and separated on mixed-mode columns based on weak reversed-phase and weak/medium anion-exchange mechanisms. Amount of ACN, buffer concentration and buffer pH will affect retention time of organic and inorganic acids. Acids can be monitored by low UV, ELSD or LC/MS. Presence of ions is required to facilitate ion-exchange mechanism. Method can be used as a general approach for analysis of acidic hydrophilic and acidic hydrophobic compounds. Carboxylic acids along with inorganic acid can be retained and separated without ion-pairing reagent.

Method Parameters

Column	Primesep B2, 4.6x50 mm, 5 µm, 100 Å
Mobile Phase	MeCN/H ₂ O – 10/90%
Buffer	AmFm pH 3.0
Flow Rate	1.0 mL/min
Detection	ELSD, UV 230 nm

Quelle: <https://sielc.com/Application-Separation-of-Maleic-and-Succinic-Acid-on-Primesep-B2-column>