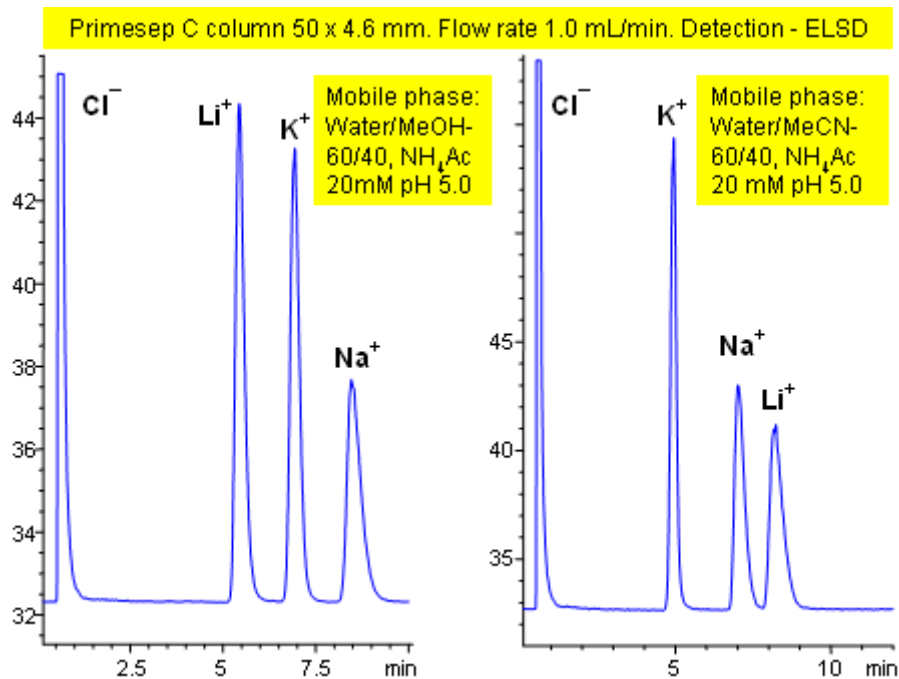


Complex of Cations on Primesep C is Effected by Organic Modifier

<https://sielc.com/Application-Complex-of-Cations-on-Primesep-C-Is-Effected-By-Organic-Modifier>

Chromatogram



Description

Primesep C separates a mixture of inorganic cations, potassium, sodium, and lithium, by a combination of cation exchange and complex formation. The peak order is reversed on the Primesep C column compared to the order normally obtained on columns that rely on cation exchange alone. In addition, the elution order can be rearranged by simply changing the organic modifier in the mobile phase from acetonitrile to methanol. The mobile phase mixture of water, acetonitrile (MeCN, ACN) or methanol (MeOH) and ammonium acetate is compatible with UV and evaporative light scattering detection (ELSD).

Method Parameters

Mobile Phase	MeOH, MeCN
Buffer	AmAc pH 5.0
Flow Rate	1.0 ml/min
Detection	ELSD 50C
Class of Compounds	Ions, Hydrophilic, Ionizable, Vitamin, Supplements
Analyzing Compounds	Sodium, Potassium, Lithium, Chloride

HPLC Column Used

Primesep C, 4.6x50 mm, 5 µm, 100A

[Order this column at hplc-shop.de →](http://hplc-shop.de)