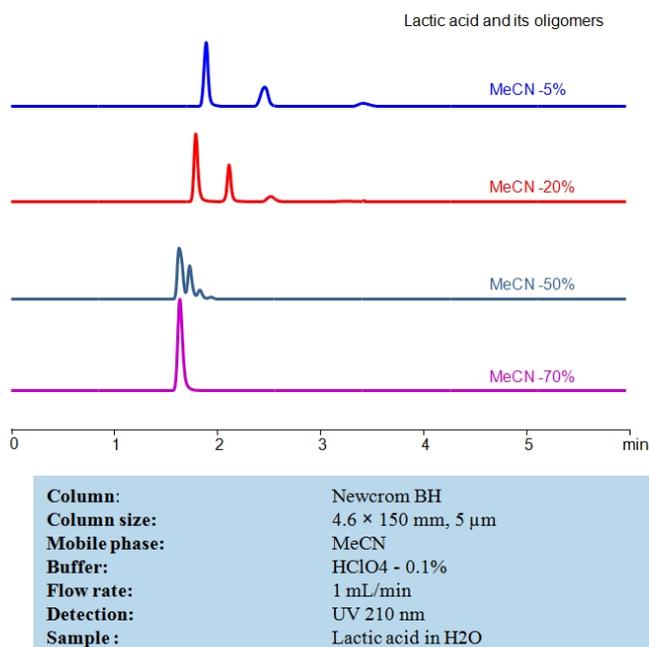


HPLC Determination of Lactic Acid on Newcrom BH Column



Lactic acid (milk acid) is a natural organic acid that plays an important role in biochemical processes. It has a carboxylic and hydroxy- groups which, upon standing, can react with each other and form dimers, trimers and higher oligomers. Lactic acid is a polar molecule that does not retain on reversed-phase columns. Newcrom BH mixed-mode anion-exchange column is used for the separation of lactic acid and its oligomers by a combination of weak reversed-phase and anion-exchange mechanisms. Lactates can be monitored by low UV, ELSD, CAD or LC/MS.

Method Parameters

Column	Newcrom BH, 4.6 x 150 mm, 5 µm, 100 Å, dual ended
Mobile Phase	MeCN/H ₂ O
Buffer	HClO ₄ – 0.1%
Flow Rate	1 mL/min
Detection	UV 210 nm

Quelle: <https://sielc.com/hplc-determination-of-lactic-acid-on-newcrom-bh-column>