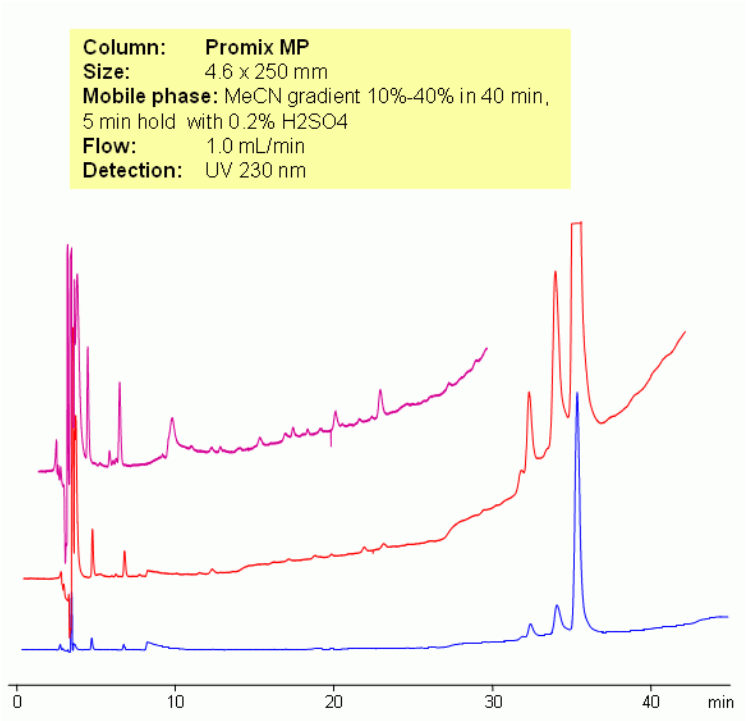
HPLC Analysis of Histones



Histones are highly alkaline proteins. A mixture of histones was separated on Promix MP HPLC column. Basic nature of stationary phase guarantees perfect shape of histones due to shielding effect of stationary phase. No silanol interaction was observed. Method can be used for analysis and isolation of histones.

The Promix family of mixed-mode columns presents an innovative chromatography technology for the efficient resolution of peptides and proteins. This technology hinges on a unique blend of hydrophobic and ionic interactions, facilitated by a novel separation medium: a ligand bonded to a silica support, chemically combined with hydrophobic and ionic functional groups . This phase provides unparalleled selectivity and peak capacity . By independently adjusting the quantities of buffer and organic modifier, a virtually infinite number of separation conditions can be achieved, rendering it suitable for a wide array of biomolecules.

Method Parameters

Column	Promix MP, 4.6×250 mm, 5 µm, 100 Å
Mobile Phase	Gradient MeCN10 – 40%, 40 min , 5 min hold
Buffer	H2SO4 – 0.2%
Flow Rate	1.0 mL/min
Detection	UV, 230 nm

Quelle: https://sielc.com/Application-HPLC-Analysis-of-Histones