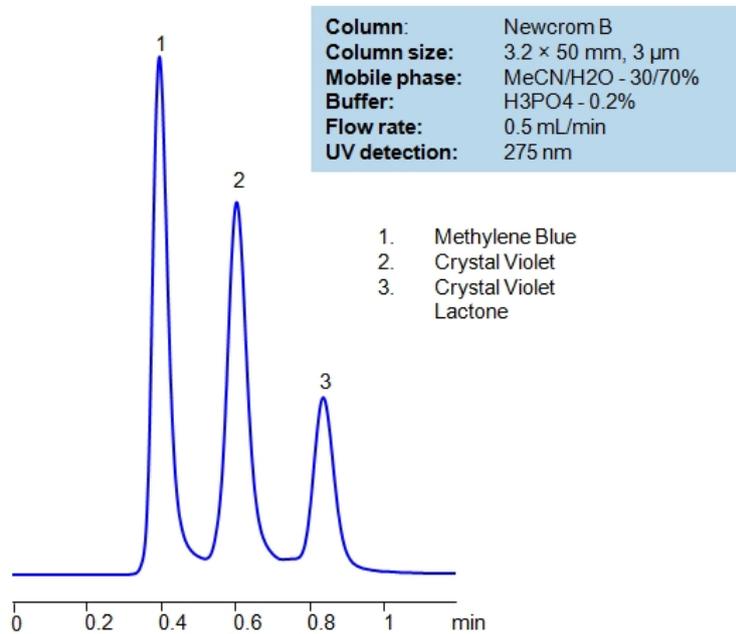


HPLC Separation of Dyes



Various dyes are widely used in food, textile, and pharmaceutical industries. Dyes are aromatic compounds containing ionizable groups. Methylene blue, crystal violet lactone, and crystal violet were separated on a Primesep D HPLC column. Method can be used for separation of other dyes and pigments that are basic and hydrophobic in nature.

The Newcrom columns are a family of reverse-phase-based columns. Newcrom A, AH, B, and BH are all mixed-mode columns with either positive or negative ion-pairing groups attached to either short (25 Å) or long (100 Å) ligand chains. Newcrom R1 is a special reverse-phase column with low silanol activity.

Method Parameters

Column	Primesep D, 4.6×50 mm, 3 µm, 100 Å
Mobile Phase	MeCN
Buffer	H ₃ PO ₄ – 0.2%
Flow Rate	0.5 mL/min
Detection	UV, 300 nm

Quelle: <https://sielc.com/Application-HPLC-Separation-of-Dyes>