

How to Achieve Good LC Separations From Bad Actors: Method Conditions and Parameters for Improving Analysis of Basic Compounds

LIVE VIRTUAL EVENT

Wednesday, November 13, 2024

11:00 AM EST and 2:00 PM EST

Presenter



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www.chromatographyonline.com/lcgc_p/good-lc

Event Overview

Developing liquid chromatography (LC) methods for optimum performance of basic analytes can be challenging. The familiar struggles with adequate retention and tailing peak shape—which impact resolution and the ability to identify impurities as well as achieve baseline separation—can be overcome with knowledge of the available options. This presentation will detail method parameters such as pH, stationary phase, mobile phase additives, and choice of detector, as well as how they can be tailored for better performance for basic analytes and their impact on acids and neutrals. Examples will include separations of small molecule pharmaceuticals, drugs of abuse, and peptides to demonstrate how improvements can be achieved on these common basic analyte chromatography challenges.

Key Learning Objectives

- Understand what options exist for improving basic peak shape and sample loadability
- Learn how to select the right combination of stationary phase and mobile phase conditions
- Know how method parameters impact the separation performance of basic analytes

Who Should Attend

- Scientists developing LC and LC-mass spectrometry methods
- Lab managers
- Chromatographers
- Quality assurance (QA) and quality control (QC) managers
- Anyone struggling to achieve optimal chromatography of basic compounds

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