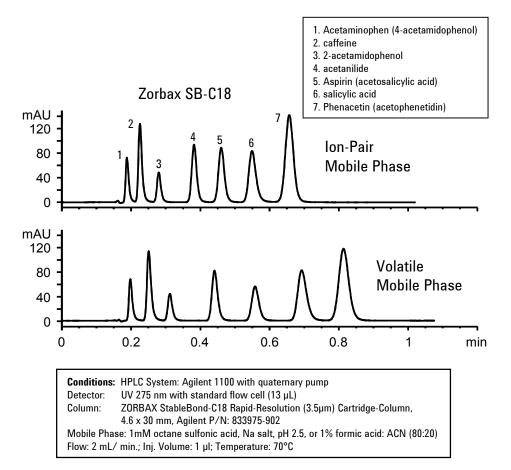


High-Speed Separation of Analgesics

Application Pharmaceutical

Columns with particle sizes under 5 µm, and columns with dimensions up to ten-times smaller than standard analytical sized columns are ideal for high-speed analyses. Here is a method that utilizes high temperature as well as smaller particles and column dimensions to resolve seven analgesics in less than one minute. For LC/MS, the volatile buffer can be used in place of the ion-pair mobile phase.

Extra-column volume is a crucial factor in chromatographic performance. Here, modification to the instrument is not necessary for good resolution.



Highlights

- · Reducing column length and particle size, simultaneously, can:
 - Reduce analysis time
 - Maintain resolution
 - Reduce solvent use
- · Use of high temperature helps to reduce run times.
- ZORBAX SB-C18 can operate at higher temperatures and lower pH than other commercial reversed phase columns.



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