

HPLC and LC-MS Frequently Asked Questions (FAQ), Training and Troubleshooting Articles:

- Each of these articles has an embedded URL link. Click on the title and you should be routed to the article. If the link fails to work, then please point your browser to: <http://hplctips.blogspot.com> and use the Search bar to quickly find the topic or article of interest.

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[HPLC Solvent Properties Table \(e.g. Polarity, Density, Boiling Point...\)](#)

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[Pressure Drop Across an HPLC / UHPLC Column](#)

[Determining the Data Acquisition Rate \(Sampling Rate\) For Your HPLC Detector](#)

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[Hydrophilic Interaction Chromatography \(HILIC\)](#)

[Techniques To Enhance Negative Mode ESI in LC/MS](#)

[Two Common HPLC Problems and their Causes \(Sudden changes to either the HPLC Backpressure or Peak Shape\)](#)

[HPLC Maintenance & Repair Parts To Have on Hand for HPLC Systems](#)

[What type of Water Should I use for HPLC, UHPLC or LC/MS Analysis?](#)

[Method Development Hint: Use your HPLC Diode Array Detector \(DAD or PDA\) as a Spectrophotometer](#)

[Proper Wavelength Selection for HPLC Method Development \(or Purity Determination\)](#)

[Troubleshooting HPLC Injectors \(Manual and Automated\)](#)

[HPLC Solution Degassing, Sparging \(Gas Choice Matters\)](#)

[Using Smaller Diameter HPLC Columns \(Calculate Linear Velocity\)](#)

[Introduction to Size Exclusion Chromatography \(SEC HPLC\)](#)

[pH Measurement of HPLC Mobile Phase Solutions and Buffers](#)

[Common HPLC Calculations:](#)

[HPLC Column PORE SIZE \(or Pore Diameter\) and Retention Time](#)

[Syringe Filter Selection for HPLC or LC/MS samples](#)

[Appropriate Mixer Volume for HPLC and UHPLC Applications](#)

[Common Causes of Baseline Noise in HPLC, UHPLC.](#)

[USP Guideline Note: HPLC Column Diameter Changes to Maintain Linear Velocity](#)

[Common pKa Values for ACIDS & BASES used in HPLC and LC/MS Method Development](#)

[HPLC Retention Time Drift, Change, Variability or Poor Reproducibility. Common Reasons for it.](#)

[HPLC System Dead \(Dwell\) Volume. Is It Static or Can It Change During a Method? Autoinjectors and Gradients.](#)

[Vacuum Pressure Units Conversion Table](#)

[Peak Purity Determination by HPLC Diode Array Chromatography Software: Limitations and Uses](#)

[HPLC Detector Optical SLIT WIDTH Selection](#)

[Notes on Cleaning bound Protein from RP HPLC columns:](#)

[HPLC Peak Splitting. Common Reasons For It](#)

[HPLC Column Test Mixture Solutions; NP & RP Examples](#)

[Chromatography Basics - Coffee Filter Chromatography](#)

[LC-MS Contamination? Another Possible Cause. Are your Mobile Phase Bottles and Filters Clean ?](#)

[The Three Most Common HPLC Questions and How To Solve Them](#)

[Determine the HPLC System Dwell Volume \(Gradient Delay Volume\)](#)