



Techniques of Modern High Performance Liquid Chromatography

Agilent Chemical Analysis Training Courses

H1186A Four Days Hands-On Operation Description Increases the ability to apply modern practices of liquid chromatography to increase robustness of methods and solve analytical problems. Covers how to select appropriate instrumentation and columns, optimize separations, and interpret and troubleshoot chromatograms. Includes practical exercises and evaluation of system performance to help participants increase their efficiency and the quality of their data. Enables a new LC user to gain valuable operational experience.	Course Outline Day One <ul style="list-style-type: none">• Introduction to LC• HPLC Instrumentation Day Two <ul style="list-style-type: none">• Practical LC Requirements• The Separation Process• Gradient Elution Day Three <ul style="list-style-type: none">• LC Troubleshooting• Quantitative and Qualitative Analyses• Column Hardware• Reversed-Phase LC Day Four <ul style="list-style-type: none">• Ion-Pair LC• Ion Exchange• Normal Phase• Size Exclusion• Method Development• Method Validation	Prerequisites None. However, a working knowledge of PCs is recommended. Student Profile A new user of Agilent liquid chromatographs who is responsible for routine sample analysis. This person may be responsible for developing new methods. Equipment Used during Training <ul style="list-style-type: none">• Agilent 1100 Series liquid chromatograph• Agilent ChemStation for LC (ver. A.06.xx)
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