



Training Program for Agilent Chemical Analysis Instruments in the Pharmaceutical Industry

Agilent Technologies provides carefully planned, effective training courses in using Agilent chemical analysis hardware and software products. These courses help you to improve the quality of your data, verify that your methods are up to date and suitable for your purposes, ensure traceable records of all analyses and keep your laboratory operating costs low.

You can obtain information, see course schedules and register by:

- Logging on to www.agilent.com and go to the Education link under chemical/biochemical.
- Calling toll-free: 1-800-227-9770 in the U.S. and Canada.

Course Title	Course No.	No. of Days	Description
Technique Techniques of Modern Liquid Chromatography	H1186A	4	Teaches how to apply modern practices of liquid chromatography, including how to select appropriate instrumentation and LC columns, optimize separations, produce robust methods, solve analytical problems, and interpret and troubleshoot chromatograms.
Hardware/Software Operation Introduction to Liquid Chromatography and the ChemStation for LC	H5929A	4	Introduces practical aspects of routine analyses using the Agilent LC and ChemStation software for LC.
Operation of the Three-Dimensional ChemStation for LC	H4033A	4	Provides hands-on exercises to learn operation and maintenance of liquid chromatographs equipped with a diode array detector and using the Agilent ChemStation for LC.
1100 Series LC/MSD Techniques and Software Operation	H1181A	4	Enhances skills in using the 1100 Series LC/MSD software and demonstrates techniques for successful operation.
Troubleshooting and Maintenance 1100 Series LC Routine Maintenance	H4058A	1	Explains the fundamental operation and maintenance of the Agilent 1100 Series modular LC system.
Practical LC Troubleshooting and Maintenance	H8969A	2	Demonstrates use of the Agilent ChemStation for LC and handheld controller. Focuses on non-routine, unexpected malfunctions, preventive maintenance, advanced troubleshooting, diagnostic functions, and chromatography troubleshooting.
Data Analysis and Reporting Data Analysis and Reporting Using the Two-Dimensional ChemStation for LC	H5928A	2	Covers introduction to Microsoft® Windows and the Agilent ChemStation for LC, method elements, displaying signals, integration, quantification, sequences, custom reporting and user-contributed macros.
Data Analysis and Reporting Using the Three-Dimensional ChemStation for LC	H4039A	3	Teaches expert operating skills in using the Agilent ChemStation for LC with diode array detector.
ChemStation Networked Data System Introduction to Networking with ChemStation*	H1188A	1	Covers the basics of networking and typical laboratory networking configurations using multiple Agilent ChemStations.
ChemAccess User and Administration*	H1185A	1	Introduces the fundamentals of using the ChemAccess software. Topics include remote status, centralized file management and administration.
ChemStore User Operation Training*	H2289A	1	Introduces the fundamentals of using Agilent's ChemStore software. Topics cover the basics of setting up a study and custom fields, data transfer, queries, reporting, user accounts, security and centralized data management
ChemStore User and System Administrator Training*	H1189A	2	Teaches in detail the basics of setting up a query and study, data transfer, reporting, user accounts, and security.
Qualification Instrumentation Qualification, Operational Qualification and Performance Verification	H1183A	1	Describes operating principles as well as validation and qualification approaches, including DQ, IQ, OQ and PQ for LC, GC, GC/MS, IR and UV-Vis chemical analysis instruments in pharmaceutical laboratories.
Method Validation	H1184A	2	Covers why an analytical method should be validated and which parameters must be validated for pharmaceutical applications.

* These courses require previous completion of at least one hardware/software operation or data analysis and reporting course or equivalent experience.

Information, descriptions, and specifications in this publication are subject to change without notice.

Not every course is available in every area worldwide. For detailed information on course availability, please call your Agilent chemical analysis representative.

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