

Big Molecules - Big Challenges II (1 day)

(Size Exclusion, Ion-Exchange and Affinity Chromatography in the analysis of biomolecules)

This seminar explores the advantages & applications of size exclusion, ion-exchange & affinity chromatography in the analysis of biomolecules. Updated and revised for 2017 to include UHPLC & other latest developments in this field.

**Revised &
updated for
2017**

Who should take this course?

Complementary to the range of courses covering conventional reversed-phase chromatography, this one day programme will acquaint you with how to characterise and purify larger molecules such as proteins, monoclonal antibodies and pharmaceutical excipients. The course is suitable both for scientists already using these techniques and those familiar with small molecules who are looking to apply chromatographic techniques to larger molecules.

What does it cover?

'Big Molecules - Big Challenges' explains in simple, practical terms:

- The basic principles behind the different modes of HPLC as applied to biopharmaceuticals
- Column and mobile phase selection
- Practical examples including characterisation of pharmaceutical excipients and the analysis of monoclonal antibodies
- Basic method troubleshooting

What will I get from this course?

This course will equip you with a good understanding of the roles of the various modes of chromatography in the analysis of big molecules. You will learn more about the types of columns suitable for the analysis of biomolecules and how to use these to your advantage. You will hear about the latest developments available for the analysis of big molecules.

Course Outline

Basic protein characterisation
Principles behind the different modes of HPLC
Ion-exchange chromatography
Hydrophobic interaction chromatography
Affinity chromatography
Size exclusion chromatography
Hydrophilic interaction chromatography
Column and mobile phase selection
Analysis of monoclonal antibodies



Available as an in-house or off-site course. Contact us for details

Tel: 0118 930 3660 Email: seminars@hichrom.co.uk

Hichrom Ltd, 1 The Markham Centre, Station Road, Theale, Reading, Berks, RG7 4PE

Tel: 0118 930 3660, Fax: 0118 932 3484, email: seminars@hichrom.co.uk