

# HPLC ESSENTIALS

## ABSTRACT

In this informational seminar we will discuss the fundamentals of HPLC. Understanding the importance of the basics will enable you to be more effective in your laboratory. We will discuss the different types of modern LC instrumentation and how to efficiently utilize the instrumentation. We will spend time discussing how to troubleshoot your system and share best practices to ensure you are getting maximum efficiency out of your system and methods.

## DATES & LOCATIONS\*

### GAUTENG

Pretoria – 1 September 2020  
Johannesburg – 3 September 2020

### KWAZULU NATAL

Durban – 13 October 2020

### EASTERN CAPE

Port Elizabeth – 14 October 2020

### WESTERN CAPE

Cape Town – 15 October 2020

*\*Dates & locations may change.  
\*Space is limited – early registration is essential*

## REGISTER AT:



For more information or questions,  
contact Waters Sales Secretary at  
[Waters.SalesSecretary@microsep.co.za](mailto:Waters.SalesSecretary@microsep.co.za)

## YOU WILL LEARN

- HPLC instrument options
- System care and use
- Troubleshooting tips and tricks
- Benchmarking and vials

## WHY ATTEND

- Are you aware of the differences between types of HPLC instrumentation?
- Have you used other analytical technologies but are new to liquid chromatography?
- Do you have instrumentation in the lab that could run more efficiently?
- Would you like to learn some troubleshooting tips and tricks?

## WHO SHOULD ATTEND

- Lab analysts new to chromatography
- Experienced analysts looking for a refresher on liquid chromatography
- Anyone who would like to learn more about HPLC

## AGENDA

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|---------|--|
| 8:30am  | Arrival and Registration   |
| 9:00am  | Welcome and Opening Remarks  |
| 9:15am  | HPLC System Options<br><i>This presentation will cover the different configurations of HPLCs available and how to best determine what is right for your analysis.</i>  |
| 10:00am | Break  |
| 10:15am | Chromatography Systems Best Practices<br><i>This presentation will cover mobile phase considerations, passivation, system storage and cleaning</i>   |
| 11:00am | Method Considerations<br><i>This presentation will look at dispersion and dwell volumes of various LC instruments and tips and tricks when switching systems or vendors.</i>   |
| 11:45am | Lunch  |
| 1:00pm  | Maximizing System Efficiency: The Importance of Benchmarking and Vials<br><i>This presentation covers two topics that can help analysts ensure the quality of their data and avoid problems: The use of standards to benchmark and monitor system health, and the importance of the choice of vials.</i> |
| 1:45pm  | Troubleshooting Tips and Tricks<br><i>This presentation will look at some common LC issues and how to correct them</i>   |
| 2:30pm  | Troubleshooting Contamination and Carryover<br><i>This presentation will go over suggested troubleshooting for contamination and carryover.</i>  |
| 3:00pm  | Summary and Closing Remarks  |