

WORKSHOP IN SAMPLE PREPARATION: UNDERSTANDING SOLID PHASE EXTRACTION METHODS



ABSTRACT

Solid phase extraction (SPE) is the best option available to reduce the complexity of a sample while preserving and concentrating the analyte(s) of interest. SPE can lower matrix factors and yield higher, more reproducible recoveries and results. In this series of seminars, we will start with the fundamentals of SPE and then introduce simplified SPE protocols that save time, use less solvent and work for a wide range of analytes and samples without the need for optimization. Additionally, we will look at the latest advances in SPE and demonstrate some experiments.

DATES & LOCATIONS*

GAUTENG

Pretoria – 21 May 2020

Johannesburg – 19 May 2020

NORTH WEST

Potchefstroom – 27 May 2020

FREESTATE

Bloemfontein – 3 June 2020

EASTERN CAPE

Port Elizabeth – 13 May 2020

WESTERN CAPE

Cape Town – 5 August 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

YOU WILL LEARN

- Different types of SPE methodologies
- Understand how to measure if the SPE Experiment was successful
- How to perform small and large volume SPE
- Troubleshooting tips and tricks

WHY ATTEND

- Are you aware of the differences between types of SPE Devices?
- Have you used other sample preparation techniques but are new to SPE?
- 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

- Environmental, Food and LifeScience Lab analysts new to SPE sample preparation
- Experienced analysts looking for a refresher on SPE
- Anyone who would like to learn more about SPE

AGENDA

8:30am	Arrival and Registration
9:00am	Welcome and Opening Remarks
9:15am	Introduction to Solid Phase Extraction <i>The Solid Phase Particle and Basics of Retention</i>
10:15am	Demo 1 <i>SPE Formats and Basic Separation Experiment</i>
10:45am	Break
11:00am	Simplifying Sample Preparation using Reverse Phase and Mixed Mode Sorbents.
12:00pm	Lunch
1:00pm	Advances in SPE <i>Simpler, Faster, Cleaner Methods</i>
1:45pm	Demo 2: <i>Large volume SPE / Q & A</i>
2:15pm	Measuring SPE Success <i>Matrix Effects, Recovery and Common SPE Pitfalls.</i>
3:00pm	Summary and Closing Remarks