

# *Solid Phase Extraction*

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## **1. Summary**

Solid phase extraction is a form of liquid chromatography used in processing samples to selectively isolate constituents of interest from other compounds that may interfere with the analysis. Before a solid sample can be processed by SPE, it must first be extracted by soxhlet extraction, pressurized fluid extraction, or other method, to produce a solution that contains the analytes of interest. SPE methods usually target the analytes through selective retention mechanisms that are different from the instrumental method. The resulting processed samples are simpler than the original extracts, and may result in improved analytical results. This presentation will provide an overview of the theory and practice of solid phase extraction, and will include a demonstration of the use of different types of SPE devices.<sup>1</sup>

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