

Application Note

Fast and Simple Bioanalytical Plasma Sample Extraction Using Oasis® PRIME HLB SPE for High Analyte Recovery

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Waters Corporation

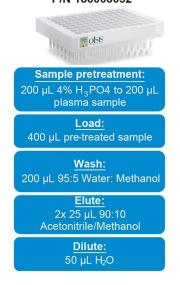
This is an Application Brief and does not contain a detailed Experimental section.

Abstract

This application describes a fast and simple method for bioanalytical sample preparation from plasma. Utilizing
Oasis PRiME HLB solid-phase extraction (SPE), the protocol requires no method development and achieves high
recovery and low matrix effects for several small molecule pharmaceuticals.

Experimental

Oasis PRiME HLB SPE Protocol 96-well plate, 3 mg sorbent per well, P/N 186008052



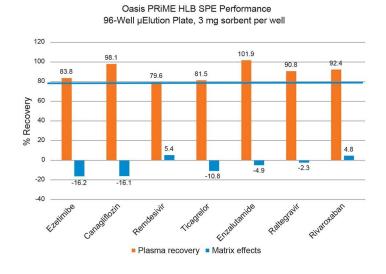


Figure 1. Demonstration of Oasis PRiME HLB SPE bioanalytical performance, requiring no optimization of the starting protocol, with high recovery (> 79%) and low matrix effects (-16,2 to 5.4%) for several pharmaceuticals extracted from plasma.

Results and Discussion

High Analyte Recovery with low matrix from plasma is achieved Using Oasis PRIME HLB SPE for top-selling small molecule pharmaceuticals in 2023.¹

References

1. Williams, RE and Leatherwood HM Top 200 Small Molecule Drugs by Retail Sales in 2023 https://bpb-us-e2.wpmucdn.com/sites.arizona.edu/dist/9/130/files/2024/05/2023Top200SmallMoleculePosterV5.pdf . (accessed 21 June 2024).
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