

## 응용 자료

# Simple and Selective Bioanalytical Plasma Sample Extraction Using Oasis® MCX SPE for High Analyte Recovery

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Mary Trudeau, Margot Lee

Waters Corporation

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## Abstract

This application demonstrates the simple and selective bioanalytical plasma sample extraction using mixed-mode ion-exchange solid phase extraction (SPE), requiring no protocol method development, for high extraction MCX SPE recovery of several tyrosine kinase inhibitors (TKI) used in the treatment of leukemia.

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## Experimental

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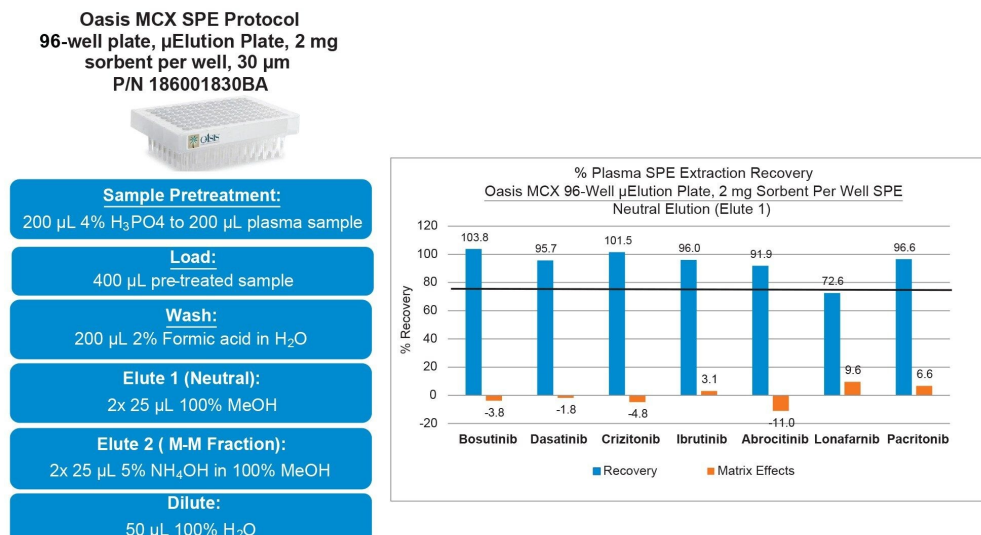


Figure 1. Demonstration of Oasis MCX SPE bioanalytical extraction performance of several TKI pharmaceuticals, requiring no optimization of the starting protocol, resulting in > 72.6% recovery and matrix effects between -3.8 and -11.0% from plasma.

## Results and Discussion

High analyte recovery and selectivity from plasma using Oasis MCX SPE for top-selling small molecule tyrosine kinase inhibitor pharmaceuticals in 2023.<sup>1</sup>

## 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> <<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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