

Scientific Expertise
Fast Turnaround Time
Innovative Approach



Improve Desmopressin Analysis of Samples

NEED

- A client required higher sensitivity at lower sample volume to conduct sampling for a bioequivalence study
- The existing RIA method did not have the sensitivity to reduce the sample volume below 4mL to achieve a LLOQ of 2pg/mL

APPROACH

- Developed and validated an LC-MS/MS method for Desmopressin using a four-fold reduced sample volume of 1mL
- Performed a comparison between the RIA and the LC-MS/MS method by analyzing human samples using both methods

BENEFITS

- With the new method the client successfully reduced the blood draw volume and increased the number of time points to support the bioequivalence study
- As an additional benefit, the turnaround time was increased by a factor of four due to the faster sample preparation and analysis

See Other Case Studies

[Mass Balance Study](#)

[Partnering with Biotechnology Companies](#)

[EU Biotech Needs First-in-Human FDA Support](#)

