

Bioanalytical Quantitation Redefined Using the SCIEX QTRAP® 6500+ LC-MS/MS System



LC-MS/MS Method for the Quantification of Tiotropium in Human Plasma Using the SCIEX QTRAP® 6500+ System

A highly sensitive and reproducible bioanalytical method was developed for the detection of Tiotropium with an LLOQ of 0.2 pg/mL in human plasma using the SCIEX QTRAP® 6500+ LC-MS/MS System. The final reconstitution volume of 100 µL makes this method amenable for reinjection of samples or repeat analysis chromatography if required in a GLP laboratory.

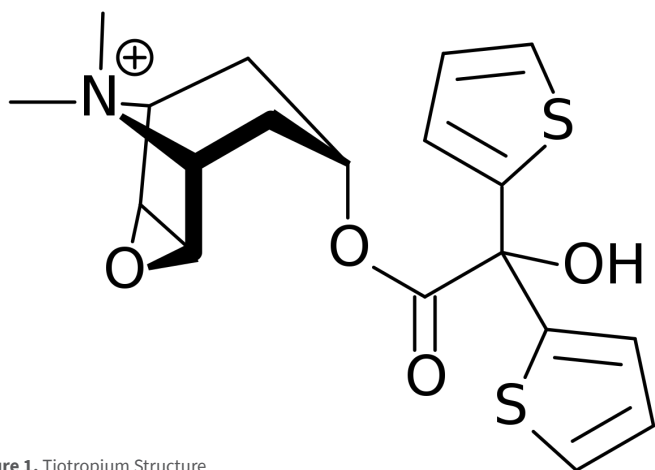


Figure 1. Tiotropium Structure.

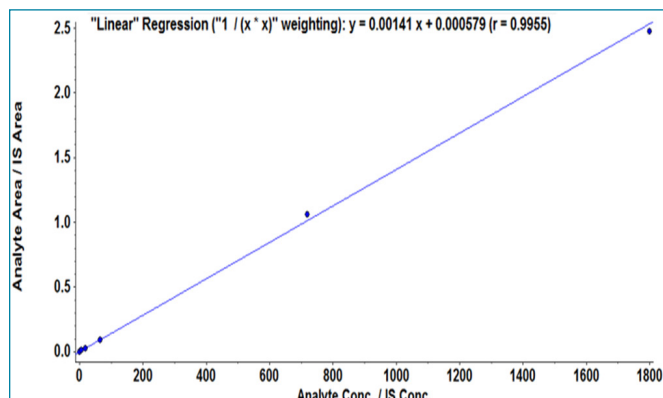


Figure 2. Linearity Plot for Tiotropium method.

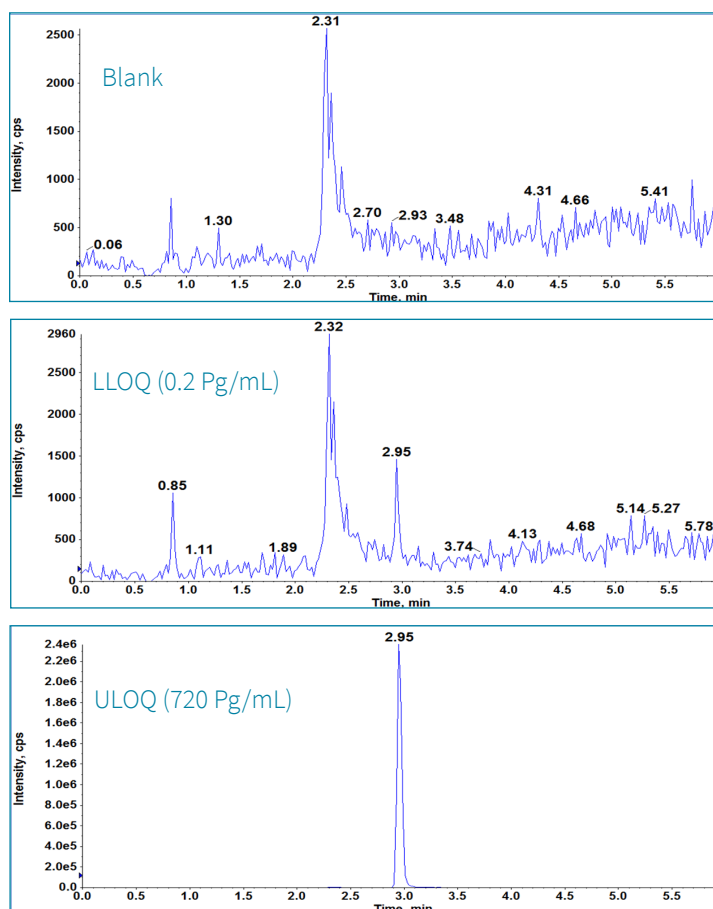


Figure 3. Representative chromatograms of blank plasma, and calibration curve samples from the Tiotropium method.

To learn more about this method please send us an email to: Marketing.India@sciex.com