

Antibody Drug Conjugates (ADCs)

EXPERIENCE

Ten years of assay development experience with Antibody Drug Conjugates (ADCs) has given Alturas Analytics the depth of knowledge to produce accurate and consistent measurements of ADCs in accordance with FDA guidelines. Our expert team possesses understanding of the critical factors inherent to ADC assay development that is applied to each unique project.



ABOUT ADCs: Potent and specific biopharmaceuticals that continue to show significant therapeutic promise, ADCs combine the specific targeting abilities of an antibody with a cytotoxin that attacks cancer cells that contain a unique marker. This significantly improves delivery of the toxin to the target tissue or tumor while minimizing exposure to healthy tissue. High specificity and therapeutic efficacy with potentially fewer side effects is a compelling combination representing significant opportunity for the pharmaceutical and biotechnology industries, and offers tremendous benefit to cancer patients.

The complex nature of ADCs presents unique challenges in the bioanalytical laboratory that requires thorough understanding of the chemistries and the interactions between each component of the conjugate. Traditionally bioanalysis necessitates a combination of ligand binding and LC-MS/MS techniques to characterize the pharmacokinetics of the ADC. With advances in LC-MS/MS technology it is possible to perform each component on a single platform. LC-MS/MS of the toxin, linker, metabolites as well as

signature peptides for quantitation of the antibody is becoming routine and accepted in our industry and provides a time advantage over traditional methods.

ALTURAS ANALYTICS possesses the scientific expertise and a successful history of rapidly developing and validating complex methods that have supported thousands of regulated study samples. We are committed to drive technology that will provide data of the highest integrity in the shortest time possible.

Contact Us

(208) 883-3400

ahoffman@alturasanalytics.com

1324 Alturas Drive, Moscow, ID 83843