Antibiotic Liquid Chromatography Spectrometer

This review is the result of a survey across the bibliography about the determination of several antibiotics in biological, food and environmental samples by liquid chromatography. Their ...

A liquid chromatography tandem mass spectrometry (LC-MS/MS) method is presented here for simultaneous quantification of ten antimicrobials: cefazolin (CZO), cefepime (CEP), ...

Antibiotics stability was assessed at different temperatures. Results: chromatographic separation was achieved within 3 minutes for all analytes. Three common penicillins can now be measured in a ...

The aim of this study was to develop and validate a method for the analysis of 15 antibiotics including beta-lactams, linezolid, fluoroquinolones, daptomycin, and clindamycin to have a ...

This review provides a comprehensive overview of the principles, methodologies, and clinical applications of LC-MS/MS in antibiotic quantification, with a focus on its role in therapeutic ...

Thus, the objective of this study was to design a selective and sensitive liquid chromatography-mass spectrometry (LC-MS)/MS-based simultaneous bioanalytical method for ...

Liquid chromatography coupled to tandem mass spectrometry (LC-MS/MS) is widely recognized as the gold standard for measuring small molecules, such as antibiotics.

A research method for the quantification of 15 antibiotics in plasma using an UltiMate 3000 LC system coupled to an HRAM Orbitrap mass spectrometer was implemented and analytically evaluated.

Here, we developed liquid chromatography mass spectrometry (LC-MS) methods to detect 18 antibiotic agents in sputum from persons with cystic fibrosis. Antibiotic spike-in control samples were used to ...

Liquid chromatography with tandem mass spectrometric method for determination of 52 antibiotics in human whole blood and urine and application to forensic cases

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