

The detection of Veterinary Residues in Meat using LC/MS/MS Analysis.

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Penicillin's and Tetracycline's are veterinary medicines which are used to improve the health of live stock and can be found as residues in Meat. New legislation for these compounds has recently come into effect in Spain for the export of meat to Russia which necessitates the use of new techniques such as LCMSMS. This poster presents data on methods using LCMSMS where detection limits for these residues are below current EU legislation (100 ppb). Extracts were prepared using off-line and on-line solid phase extraction. The initial preliminary data has shown that we can detect these residues at the required levels using both types of SPE followed by LC/MS/MS analysis. CVs on the on-line SPE approach are good, typically less than 10 - 15% at the limit of quantitation.