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Fluoroquinolone Antibiotics in Beef Kidney - Tandem Oasis MAX-MCX Method

Waters Corporation

This is an Application Brief and does not contain a detailed Experimental section.

Abstract

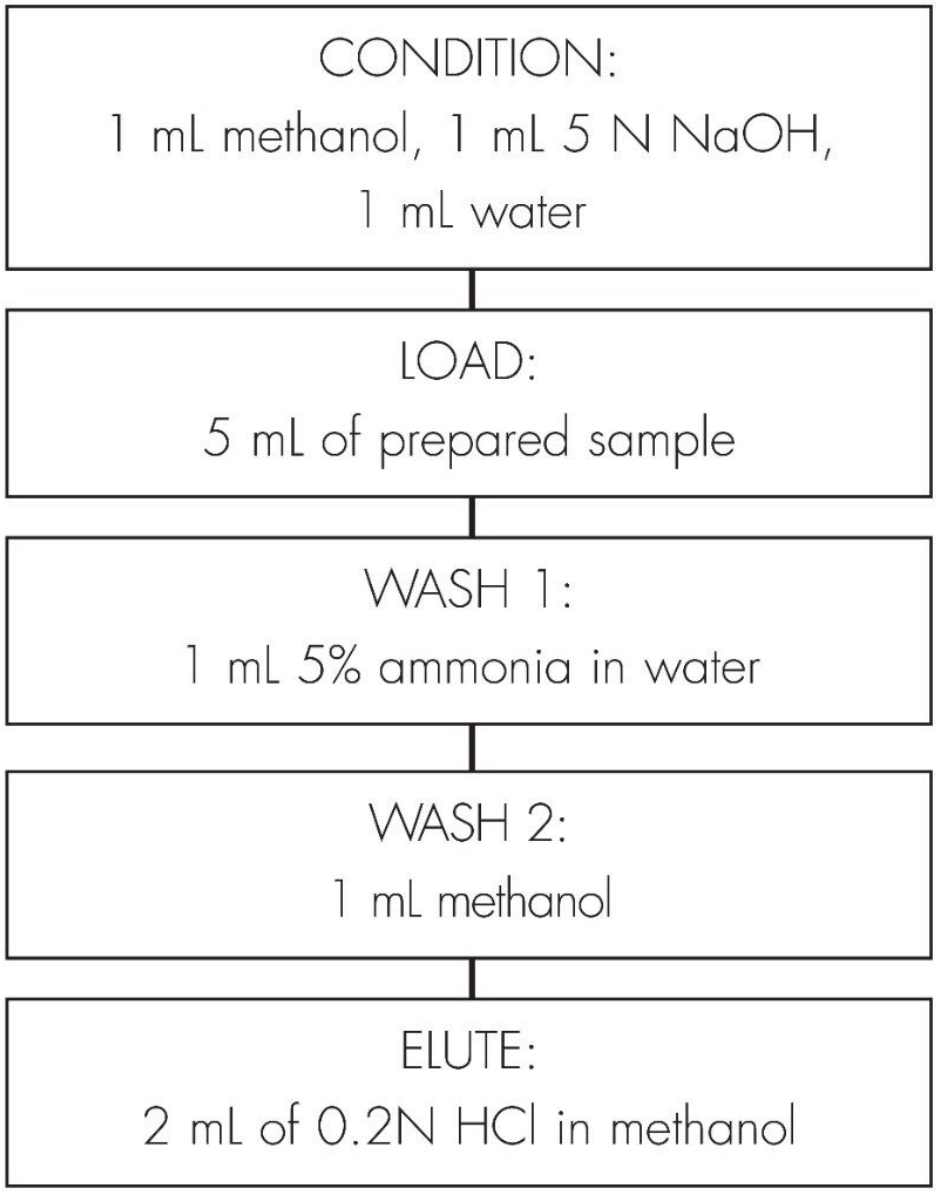
This application brief demonstrates analysis of fluoroquinolone antibiotics in beef kidney - Tandem Oasis MAX-MCX method.

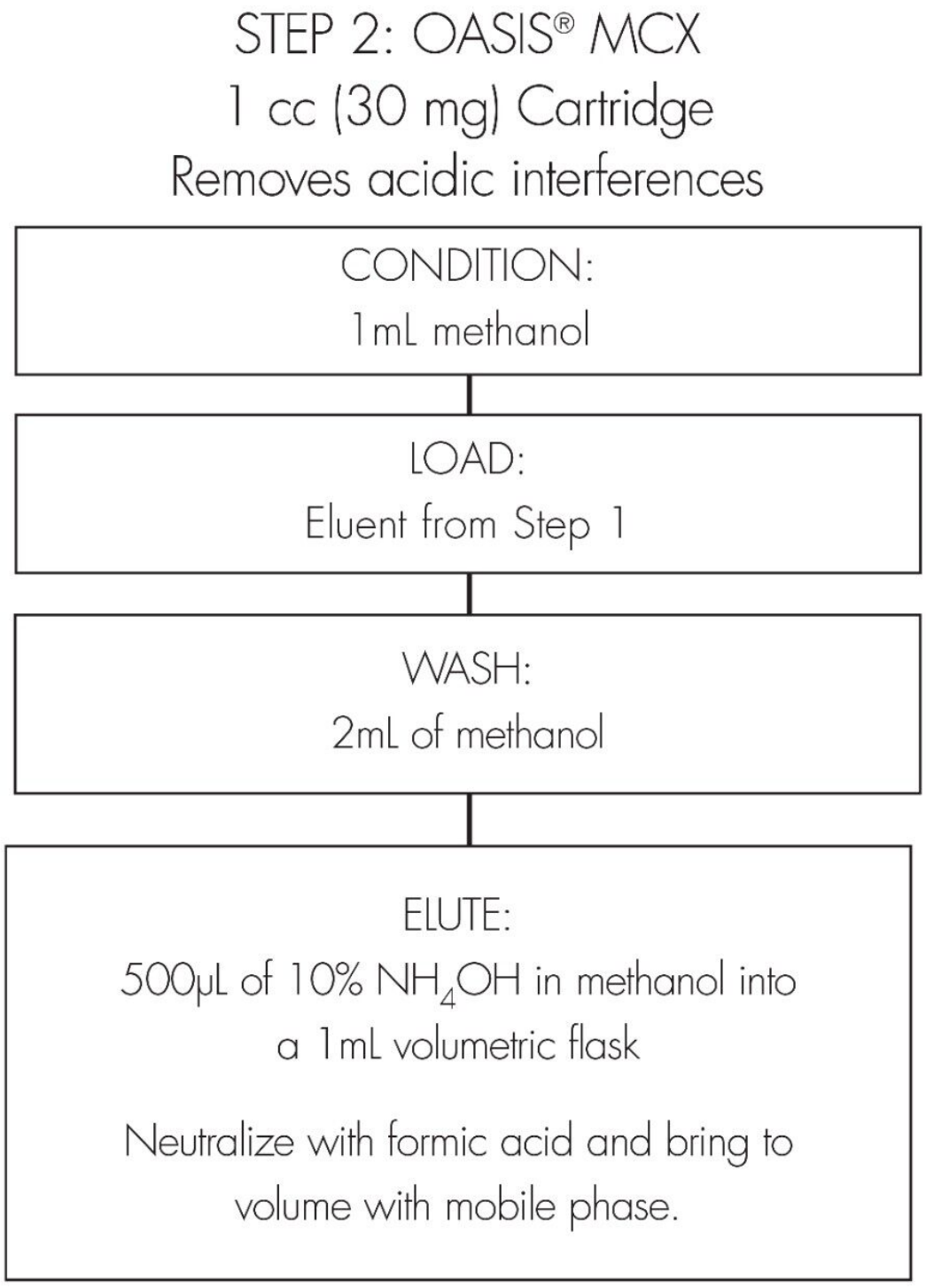
Introduction

The compounds used in this study are - Ciprofloxacin and Enrofloxacin.

Experimental

STEP 1: OASIS® MAX
6 cc (150 mg) Cartridge
Removes basic and neutral interferences





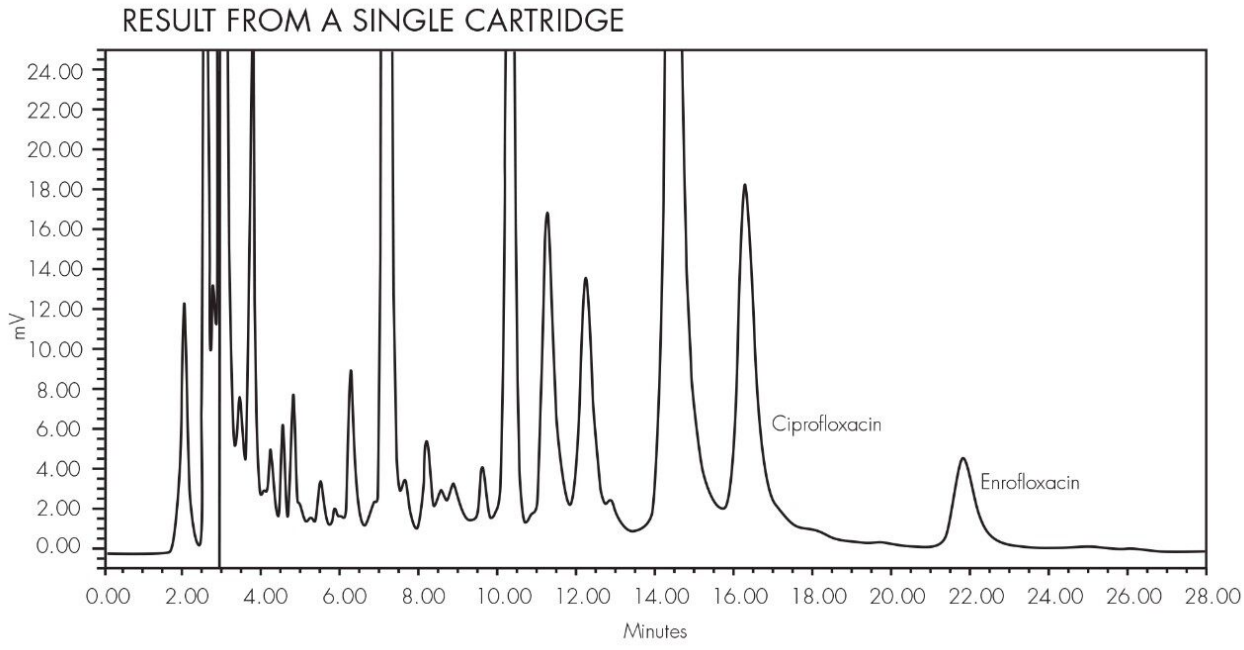
Mobile phase Conditions

Column:	Atlantis dC_{18} 4.6 x 150 mm, 5 µm

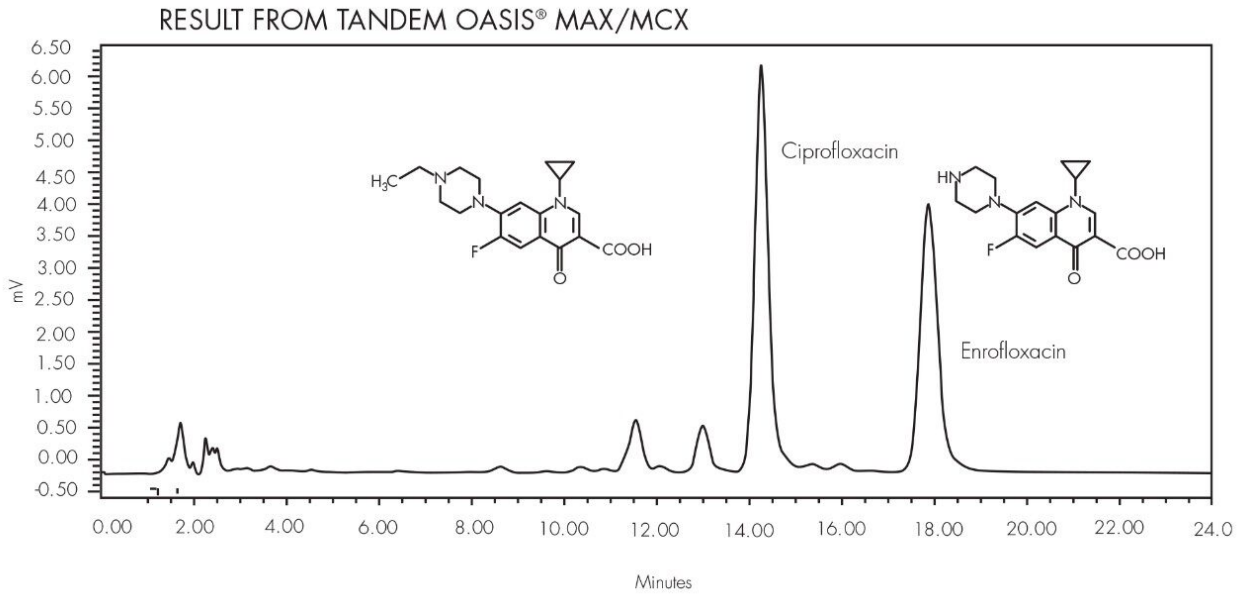
Mobile phase:	73% 0.2% NFPA (nonafluoropentanoic acid) 4% MeOH 23% ACN T=30

Results and Discussion

HPLC Chromatogram of Fluoroquinolone Antibiotics in Beek Kidney by Single Cartridge Extraction



HPLC Chromatogram of Fluoroquinolone Antibiotics in Beek Kidney by Tandem Oasis MAX/MCX Extraction



Conclusion

Comparison of results of Tandem Oasis MAX-MCX vs. Single Cartridge was carried out.

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