FLUOROQUINOLONE ANTIBIOTICS IN BEEF KIDNEY
(TANDEM OASIS MAX-MCX METHOD)

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

CONDITION:
1 mL methanol, 1 mL 5 N NaOH,
1 mL water

↓

LOAD:
5 mL of prepared sample

↓

WASH 1:
1 mL 5% ammonia in water

↓

WASH 2:
1 mL methanol

↓

ELUTE:
2 mL of 0.2N HCl in methanol

STEP 2: OASIS® MCX
1 cc (30 mg) Cartridge
Removes acidic interferences

CONDITION:
1mL methanol

↓

LOAD:
Eluent from Step 1

↓

WASH:
2mL of methanol

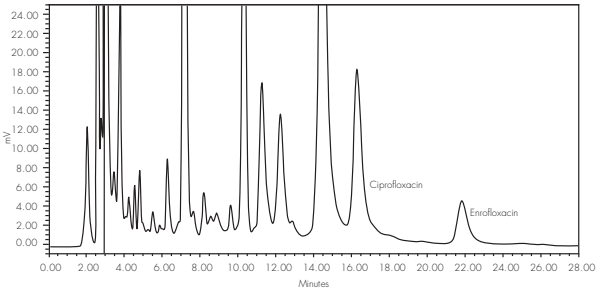
↓

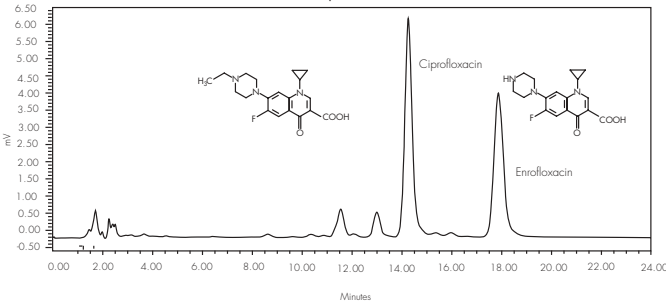
ELUTE:
500µL of 10% NH_4OH in methanol into
a 1mL volumetric flask

Neutralize with formic acid and bring to
volume with mobile phase.

TANDEM OASIS® MAX-MCX RESULTS
(For fluoroquinolone antibiotics in beef kidney)

RESULT FROM A SINGLE CARTRIDGE



MOBILE PHASE CONDITIONS
Column: Altantis™ dC_{18} 4.6 x 150 5µm
73% 0.2% NFPA (nonafluoropentanoic Acid)
4% MeOH
23% ACN
T=30

RESULT FROM TANDEM OASIS® MAX/MCX