

Antibiotic residue detection in shrimp and salmon muscle using the Charm-7000 System.

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The Charm-7000 System has been evaluated for detection and quantitation of amoxycillin, tetracyclines and sulphonamides in shrimp, and amoxycillin and a chloramphenicol derivative in salmon muscle. Minimum Detectable levels by the Charm-7000 were 40 parts per billion (ppb) for amoxycillin, 100 ppb for tetracyclines and 50 ppb for sulphonamides in shrimp; for salmon, the values were 5 ppb for amoxycillin and 10 ppb for the chloramphenicol derivative. Based on these results, the System is perceived as an accurate and sensitive system for monitoring drug residues in farmed aquatic animals.