Mini Review

Electroanalytical Methods for Fish Drug Determination and Control: A Review and Outlook

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Fishery drugs can kill pathogens of aquatic animals and increase the production of aquatic products. These compounds have been widely used in the past 30 years. However, in recent years, abuse and misuse of these drugs has caused great economic losses and serious consequences and has endangered human health. Accelerating the establishment of aquatic product quality inspection systems is an effective way to guarantee the quality and safety of aquatic products and public health and safety. The most important aspect is to speed up the improvement of aquatic product quality in addition to safety inspection and detection capabilities. In this review, we describe the recent development of electrochemical sensors for fishery drug detection and determination. This paper provides a reference for the aquaculture industry and academic research for selecting the most suitable detection technology for different fishery drugs.

Keywords: Fishery drug determination; Electrochemical sensor; Review; Electrode modification; Analytical determination

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