

ABSTRACT

This study investigated the effect of deep frying (210 °C/15 min) on furazolidone residues in the liver and muscle tissues of chicken. Furazolidone was administered (2 mg/kg body weight) orally to chicken daily for five days. The hens were then sacrificed at 1, 5, 24, 168 and 264 h after treatment stopped and liver and muscle tissue samples obtained. The samples were deep-fried, blended with distilled water, and then centrifuged at 6000 rpm for five minutes. The supernatant was analyzed for the concentration of the drug using a using the Delvotest SP microbiological assay. A detection limit of 11.0 g/ml was obtained with spiked liver tissues contaminated with Furazolidone. Furazolidone residues were detected in fried liver and muscle tissues 264 h post-treatment. It was concluded that furazolidone drug residues in chicken liver and muscle tissues were not destroyed by deep frying.