

**Objectives** This study was conducted to screen the presence of chloramphenicol residues in retailed chicken sold in selected public markets in Davao City.

**Methods** 84 samples were tested, which consist of 42 chicken breast and liver. Screening was done using enzyme-linked immunoassay (ELISA) method.

**Result** The results showed that 6 out of 42 (14.28%) chicken breast and 5 out of 42 (11.9%) chicken liver positive for chloramphenicol residues. Overall, 11 out of 84 samples (13.09%) of the retailed chicken breast and liver sold in Davao City public markets were positive for chloramphenicol residues.

**Conclusion** Based on the results, it can be inferred that there is still continued use of this drug for food-producing animals despite prohibition from food regulatory authorities. The researcher recommended the prudent use of antimicrobials to food-producing animals and appropriate screening of antibiotics by food regulatory authorities to ensure food safety and eliminate food-associated hazards to consumers.

#### REFERENCE

- 1 Aduweyi G, Olatoye O, Afafe A *et al.* High Performance Liquid Chromatographic Method for Evaluation of Two Antibiotic Residues in Liver and Muscle of Broilers in Ibadan City, Southern Nigeria. *Journal of Pharmaceuticals*, 2011.

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#### DETECTION OF CHLORAMPHENICOL RESIDUES IN RETAILED CHICKEN IN DAVAO CITY PUBLIC MARKETS

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**Background** Chloramphenicol is a broad-spectrum bacteriostatic agent used against pathogenic microorganisms particularly members of the Enterobacteriaceae such as *Escherichia* spp. and *Salmonella* spp., making this drug prominently used in veterinary medicine. Concerns about chloramphenicol side effects such as genotoxicity, embryo toxicity and fetotoxicity, its carcinogenic potential to humans and the lack of a dose-response relationship for aplastic anaemia prompted authorities to ban chloramphenicol as a drug for food-producing animals in many countries.