# Prevalence of Resistant Salmonella sp. in Beef and Chicken Meat 

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Food borne diseases caused by non-typhoid Salmonella represent an important public health problem worldwide. Most Salmonella infections in humans result from the ingestion of contaminated food. The emergence of antimicrobial-resistant Salmonella is associated with the use of antibiotics in animals raised for food. Resistant bacteria can be transmitted to humans through foods, particularly those of animal origin. In this study 100 meat samples (beef and chicken meat) were examined for Salmonella. These samples were purchased from wet markets and hypermarkets in the vicinity of Kuala Lumpur. Of these 100 food samples, 38 had Salmonella as identified by conventional biochemical tests and molecular methods. Antimicrobial susceptibility tests showed that $65 \%, 62 \%, 38 \%, 21 \%$ and $17 \%$ of these Salmonella sp. were resistant to sulfonamides, streptomycin, nalidixic acid, cephalotin and trimethoprim/sulfamethoxazol, respectively. This study shows that the resistant strains of Salmonella sp. are common in retail ground meat and supports the guidelines for the prudent use of antimicrobial agents in food animals.

