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## Phenotypic and genotypic characterization of methicillin resistant *Staphylococcus aureus* isolated from different sources

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**F**ood contaminated with multiple antibiotic-resistant *S. aureus* can be a major threat to the public health. The purpose of this study was to isolate *S. aureus* from different food sources, determine their antimicrobial susceptibility as well as detection of *mecA* gene among some resistant isolates. Out of 125 samples from food of animal origin samples, 19 *S. aureus* isolates were recovered and the antimicrobial susceptibility testing showed high resistance against kanamycin, penicillin G, oxacillin, erythromycin and tetracycline. All the tested isolates were multiple drug resistant (MDR). 8 out of 19 (15.2%) isolates were phenotypically resistant to oxacillin as well as they were carriers for *mecA* gene.

## **Biography**

Ayman Ameen Samy Mohamed Ibrahim has completed his/her Master's degree in Microbiology in 1999 and PhD in Microbiology from Faculty of Veterinary Medicine, Cairo University, Egypt in 2007. He/She is Assistant Professor at Microbiology and Immunology Unit of National Research Center, Egypt. He has published more than 17 papers in reputed journals.

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