

**Characterization of Acinβetoacter against 3rd generation β- Lactum antibiotics.**

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**ABSTRACT**

Acinetobacter species is one of the most prevailing multi drug resistant strains, more predominantly seen in ICU of hospital environment was targeted for the present investigation. In this present study the strains of Acinetobacter was isolated from the blood samples of ICU admitted patients were screened for the resistance capacity towards 8 β-lactum containing 3rd generation antibiotics. Out of which 61% of the strains are resistant to the antibiotics CA2 and AT, the most commonly used antibiotics today for the treatment of bacterial infections. Also, when these strains were analyzed for biofilm assay, 27.7% of the strains were categorized under strong, 27.5% under moderate and 44.4% under weak biofilm producers. Hence it is concluded that, the ESBC producing strains were categorized under weak and moderate biofilm producers.