Republic of Iraq
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Department of Biology



Effect of some species of Bacteria on Candida albicans biofilm formation by using(Sap5 and Ece1) gene expression

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Abstract

, its biofilm formation ability was lower than that of gram positive bacteria(Candida. albicans and Staphylococcus.aureus, Candida albicans and Streptococcus. pyogenes)

The optical density (OD) were OD620=0.08 and 0.06 for C. albicans culture alone and co-cultured C.albicans with Pseudomonas aeruginosa for 24 hours, respectively.

The study performed quantitative reverse transcriptase PCR to assess the expression of hyphae-specific genes during the biofilm development of C. albicans. Over time, the expression of hyphae-specific genes (Sap5 and Ecel) was strongly enhanced