



## ABILITY IN PRODUCTION OF BIOFILMS IN TWO ORAL STRAINS OF *Candida albicans* OF MEXICAN INDIVIDUALS CARRIER

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**Introduction.** *Candida albicans* is a habitant of human mucous, oral, digestive and genital. A large number of candidosis are related with the formation of biofilms and their resistance to antifungal (1). *Candida albicans*, has been described as a predominant specie in healthy individuals and related to the oral hygiene, diet and social condition (2, 3)

Has been determined the formation of biofilms and resistance to the antifungal drugs in two oral isolates of *Candida albicans* TZ12 and TZ17, of healthy Mexican individuals, considering the style of live.

**Methods.** Confirmation of specie of *Candida*, growth in Agar Chrome and API 20 C. Microscopy. Resistance was determined to antifungal drugs, using the method of resistance for susceptibility to antifungal drugs for dilution in broth, proved for yeast M27-A2. (4) Strain of reference *Candida albicans* ATCC 65027. The quantification of biofilm was made agree with the method described in Methods and Protocols Vol. 692, Chap. 16, section 3.4. (5) The determination of the capacity of formation of biofilm and resistance to the antifungal drugs was evaluated for three independent replicas ( $\pm$  SE), for get a dependable relation.

**Results.** Was found a higher production of biofilm and resistance to azoles in the strain *Candida albicans* TZ17 isolated from oral cavity of healthy Mexican individuals, in comparison with the strain of reference *Candida albicans* ATCC 65027 used, as well as a low production of biofilm and resistance in the second strain TZ12.

**Conclutions.** The strain TZ17 shows about 8 times higher production of biofilm than the strain TZ12 and control, which might suggests a relation between the oral hygiene, diet and social condition.

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