ABSTRACT

In the present study, the development of biofilms was carried out in four different media namely normal tap water, sterile water, tap water containing 5% glucose and 7.5% glucose under ordinary laboratory conditions.

The bacteria belonging to four genera were isolated and among these one is Gram positive namely *Staphylococcus* while three were Gram –ve represented by *Acinetobacter, Edwardsiella* and *Salmonella.* In total four species were isolated and these are *Acinetobacter anitratus, Edwardsiella tarda, Salmonella typhi* and *Staphylococcus aureus.*

No bacterial biofilm was developed in the first half an hour in any of the media. The same was also observed for the sterile tap water during the whole of the experimental period.

Staphylococcus aureus was isolated from water with 5% and 7.5% glucose concentration where as *Salmonella typhi* was found in normal tap water as well as in 5% and 7.5% glucose concentration water. *Edwardsiella tarda* and *Acinetobacter anitratus* was found in normal tap water along with the 5% and 7.5% glucose concentration water.