

In this study, (90) vaginal swabs were taken from women suffering from vaginitis, who were admitted to Babylon hospital for maternal and pediatrics, and Teaching Hospital of Hilla, during the period from November 2012 to march 2013 in Babylon province . The patient's age ranged from (18 - 54 years). 76 vaginal swabs were taken from non pregnant women , and 14 from pregnant women, 88 samples gave positive results of bacterial growth and only two samples gave no growth bacterial. The most common species of opportunistic bacterial types were, *Streptococcus agalactiae* (28.4%), *S. aureus* (21.5%) , *Streptococcus mutans* (15.9 %) , Coagulase – negative staphylococcus (12.5%), *Escherichia coli*(7.9%), *Acinetobacter* (5.9%), *Enterococcus* (5.9%), *Neisseria.gonorrhoea*(2.2%). Production of extracellular phospholipase D in the presence of arachidonic acid was also detected. It was found that all isolates have ability to produce this enzyme . Also , phospholipase extract was added to the culture media of *candida albicans* , and it was found that there was an increase in number of *candida*(which was isolated in this study) after the addition of enzyme extract.