

A total of 100 clinical samples were collected during this study which were obtained from patients suffering from different infections such as UTI, skins, burns, wounds and from sputum in patient with respiratory diseases, only (12) isolates of *P.aeruginosa* isolated.

At first molecular detection of *P.aeruginosa* (*OprI*) was done by using specific PCR primer. It was found that *OprI* marker was observed in all bacterial isolates (100%) with molecular size (250bp).The results showed that Box-element at a molecular size (500 bp) gave positive in only 9 (75%) isolates. This will reflect on the distribution of some genes among different isolates of *P.aeruginosa* isolated from different sources.