

*Achromobacter xylosoxidans* was first time isolated in Iraq from patients admitted to Medical city in Baghdad from July 2010 to July 2011 whose majority were compromised, Eleventh patients were infected by this microorganism in different body sites and frequently isolated in combination with other organisms and finding in all well-described cases in which its pathogenic role is clearly demonstrated and may be confused with *Pseudomonas* species in laboratory diagnosis. The laboratory characteristics were done by culturing in different media and by biochemical reactions and showed a difference in their characteristics from *Pseudomonas* species.