

**Family: *Pseudomonadaceae***

**GENUS: *Pseudomonas***

**Species: *Ps. Aeruginosa***

**Disease:**

- Pyogenic wound infection
- Urinary affection
- Respiratory affection
- Otitis media
- Wound infection
- It not treated Antibiotic (highly resistance to antibiotic)

**Morphology**

- Gram negative bacilli (seen under microscope among pus cell)
- Medium size
- Straight bacilli no curve
- Singly arranged
- Non-sporulated
- Non –capsulated
- Highly motile

**Culture character**

- Strict aerobic
- Grow on ordinary media at 37°C
- Showing flat colony & exopigment (pyocyanin which is bluish green & fluorescein which is yellowish green but present of two together give green colors)
- Has characteristic odor (ripen grapes or apple)

**Biochemical test**

Oxidase positive

Glucose fermentable with acid only

Indol -ve

Gelatin liquefaction +ve

**Serological test**

Has O Ag & H Ag (motile)

