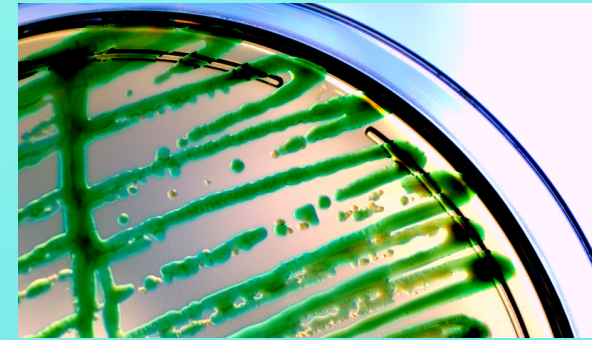


Pseudomonas Aeruginosa

Gram-negative nonfermenting bacillus

- risk factors are warm climate and frequent exposure to water
- found in water in sinks
- contaminate respiratory equipment
- common infection in immunocompromised patients (e.g. burn patients)
- multidrug-resistant pseudomonas is becoming more prevalent



Skin conditions most commonly infected by pseudomonas

- Burn wound infections
- Hot tub folliculitis
- Foot infection following a nail puncture injury
- Green nail syndrome
- Produces pyocyanin, creating a blue-greenish pigment

Antibiotic Options to Treat Pseudomonas

CULTURE WITH GRAM STAIN,
AEROBIC

Moderate *Pseudomonas aeruginosa* !

Gram Smear

No organisms seen.
No polymorphonuclear cells seen.
No epithelial cells seen.

Resulting Agency: Rosemont

Susceptibility

Pseudomonas aeruginosa

Antibiotic	Interpretation	Value
PIPERACILLIN/TAZOBAC	Susceptible	8 ug/mL
CEFTAZIDIME	Susceptible	2 ug/mL
CEFEPIME	Susceptible	<=1 ug/mL
AZTREONAM	Susceptible	4 ug/mL
IMIPENEM	Susceptible	2 ug/mL
MEROPENEM	Susceptible	0.5 ug/mL
GENTAMICIN	Susceptible	<=1 ug/mL
TOBRAMYCIN	Susceptible	<=1 ug/mL
CIPROFLOXACIN	Susceptible	<=0.25 ug/mL
LEVOFLOXACIN	Susceptible	1 ug/mL