



B.pseudomallei Characteristics Chart

Gram stain:

- Small, straight, or slightly curved Gram negative rods (1-3 x $2.0\mu\text{m}$)
- Smooth form arranged in long, parallel bundles
- Rough form arranged irregularly
- Bipolar staining

Colony morphology:

- Smooth, creamy on Sheep Blood and CHOC agar at 24h; may display metallic sheen on BAP, CHOC at 48 h; some become either mucoid or dry and wrinkled after 48-72h; no violet pigment
- Pink on MAC/EMB agar at 24-48h; will become dry and wrinkled after 48-72h

Growth:

- Heavy at 42°C at 48h
- Resistant to colistin and polymyxin B
- Resistant to penicillin
- Susceptible to amoxicillin/clavulanic acid
- No pigment on MH agar
- Distinctive musty or earthy odor

Biochemicals:

- Oxidase, catalase, and arginine dihydrolase positive
- Indole negative
- Glucose non-fermenter

Motility: Positive



Refer Cultures to your LRN Reference

B.pseudomallei Characteristics Chart

