



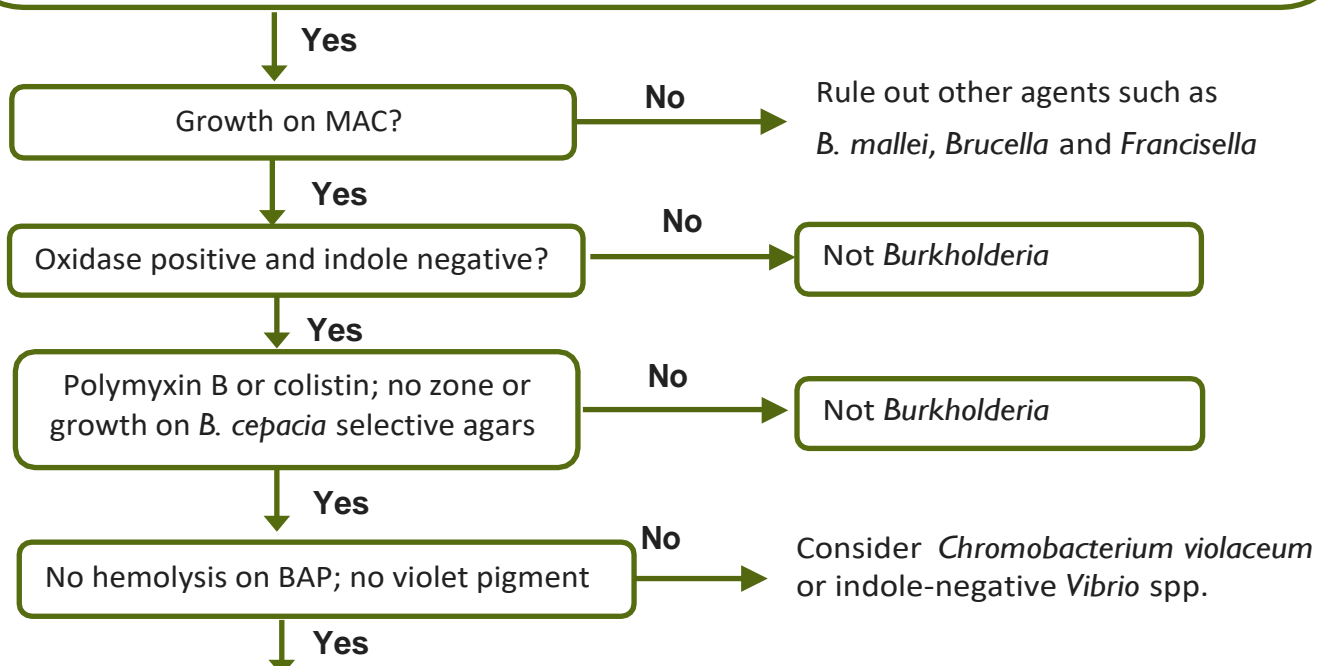
SAFETY: As soon as *Burkholderia* is suspected, perform ALL further work in a Class II Biosafety Cabinet using BSL-3 practices.

Major characteristics of *Burkholderia pseudomallei*:

Gram stain morphology: Gram negative rod, straight or slightly curved, may demonstrate bipolar morphology at 24 h and peripheral staining, like endospores, as cultures age

Colony morphology: Poor growth at 24 h, good growth of smooth, creamy colonies at 48 h on BAP, may develop wrinkled colonies in time, nonhemolytic. Can demonstrate strong characteristic musty, earthy odor; growth on MAC/EMB in 48 h, no pigment is visible on Mueller-Hinton agar, may have non-violet pigment on BAP.

Reactions: Oxidase positive; indole negative



B. pseudomallei not ruled out, especially if colonies have musty odor.
B. pseudomallei is separated from *B. cepacia* by a susceptible amoxicillin-clavulanate test.
Although rare in *B. pseudomallei*, resistance cannot rule out the identification.
Contact your LRN Reference Level Laboratory to refer isolate.

Report: Possible *Burkholderia pseudomallei* submitted to LRN Reference Laboratory.
Additional screening test: *B. pseudomallei* and *B. mallei* are arginine positive, unlike other *Burkholderia*. (Test can be in kit identification systems.)
Unlike *B. mallei*, *B. pseudomallei* grows at 42°C in 48 h and is motile.