


Burkholderia pseudomallei

<i>Burkholderia pseudomallei</i>	
<i>Burkholderiaceae</i>	
<i>Burkholderia</i>	
<div></div> <p><i>Colonies of Burkholderia pseudomallei on blood agar</i></p>	
Morphology	Good bar
Relation to oxygen	strictly aerobic
Cultivation	common cultivation soils
Virulence factors	polysaccharide case
Transmission	inhalation of contaminated dust, skin abrasion, ingestion of contaminated water
Occurrence	saprophytically in soil and water
Incubation time	2 days to several months
Disease	melioidosis (acute, subacute, chronic)
Diagnostics	cultivation (blood culture, pus, tissue), serology, skin tests
Therapy	severe: piperacillin, tazobactam, carbapenems, ceftazidime; lighter forms: chloramphenicol, doxycycline, fluoroquinolones
MeSH ID	D016957

Template:Infobox - bakterie ***Burkholderia pseudomallei*** is atypical of our destination, occurring mainly in the tropics and subtropics of Southeast Asia, but also in northern Australia. This bacterium causes melioidosis or pseudomalleus in humans and animals. The course of the disease can be different, asymptomatic, chronic and acute. Untreated melioidosis is 95% fatal .

Taxonomy

The taxonomy of the genus *Burkholderia* is constantly renewed, the current classification is as follows:

- class **Betaproteobacteria**
- order **Burkholderiales**
- family **Burkholderiaceae**
- genus **Burkholderia**

Links

Related articles

- Pseudomonas, Stenotrophomonas, Burkholderia
- Burkholderia
- Burkholderia cepacia
- Burkholderia mallei

External Links

G +

coke	aerobic	<table><tr><td><i>Micrococcus</i></td><td><i>Micrococcus luteus</i></td></tr><tr><td><i>Rhodococcus</i></td><td><i>Rhodococcus equi</i></td></tr></table>	<i>Micrococcus</i>	<i>Micrococcus luteus</i>	<i>Rhodococcus</i>	<i>Rhodococcus equi</i>	
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	<i>Rhodococcus</i>	<i>Rhodococcus equi</i>					
	facultatively anaerobic	<table><tr><td><i>Enterococcus</i></td><td><i>Enterococcus durans</i> • <i>Enterococcus faecalis</i> • <i>Enterococcus faecium</i></td></tr><tr><td><i>Streptococcus</i></td><td><i>Streptococcus agalactiae</i> • <i>Streptococcus mutans</i> • <i>Streptococcus pneumoniae</i> • <i>Streptococcus pyogenes</i> • <i>Streptococcus suis</i> • <i>Oral streptococci</i></td></tr><tr><td><i>Staphylococcus</i></td><td><i>Staphylococcus aureus</i> • <i>Staphylococcus epidermidis</i> • <i>Staphylococcus intermedius</i> • <i>Staphylococcus saprophyticus</i></td></tr></table>	<i>Enterococcus</i>	<i>Enterococcus durans</i> • <i>Enterococcus faecalis</i> • <i>Enterococcus faecium</i>	<i>Streptococcus</i>	<i>Streptococcus agalactiae</i> • <i>Streptococcus mutans</i> • <i>Streptococcus pneumoniae</i> • <i>Streptococcus pyogenes</i> • <i>Streptococcus suis</i> • <i>Oral streptococci</i>	<i>Staphylococcus</i>
<i>Enterococcus</i>	<i>Enterococcus durans</i> • <i>Enterococcus faecalis</i> • <i>Enterococcus faecium</i>						
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<i>Staphylococcus</i>	<i>Staphylococcus aureus</i> • <i>Staphylococcus epidermidis</i> • <i>Staphylococcus intermedius</i> • <i>Staphylococcus saprophyticus</i>						
anaerobic	<table><tr><td><i>Peptococcus</i></td><td><i>Peptococcus niger</i></td></tr><tr><td><i>Peptostreptococcus</i></td><td><i>Peptostreptococcus anaerobius</i> • <i>Peptostreptococcus prevotii</i> • <i>Peptostreptococcus vaginalis</i></td></tr></table>	<i>Peptococcus</i>	<i>Peptococcus niger</i>	<i>Peptostreptococcus</i>	<i>Peptostreptococcus anaerobius</i> • <i>Peptostreptococcus prevotii</i> • <i>Peptostreptococcus vaginalis</i>		
<i>Peptococcus</i>	<i>Peptococcus niger</i>						
<i>Peptostreptococcus</i>	<i>Peptostreptococcus anaerobius</i> • <i>Peptostreptococcus prevotii</i> • <i>Peptostreptococcus vaginalis</i>						

sticks	aerobic + facultative anaerobic	<i>Arcanobacter</i>	<i>Arcanobacterium haemolyticum</i>
		<i>Bacillus</i>	<i>Bacillus anthracis</i> • <i>Bacillus cereus</i>
		<i>Corynebacterium</i>	<i>Corynebacterium diphtheriae</i> • <i>Corynebacterium jeikeium</i> • <i>Corynebacterium ulcerans</i> • <i>Corynebacterium urealyticum</i>
		<i>Erysipelothrix</i>	<i>Erysipelothrix rhusiopathiae</i>
		<i>Listeria</i>	<i>Listeria monocytogenes</i>
		<i>Nocardia</i>	<i>Nocardia asteroides</i> • <i>Nocardia brasiliensis</i>
		<i>Rhodococcus</i>	<i>Rhodococcus equi</i>
		anaerobic	<i>Actinomyces</i>
	<i>Bifidobacterium</i>		<i>Bifidobacterium dentium</i>
	<i>Clostridium</i>		<i>Clostridium botulinum</i> • <i>Clostridium difficile</i> • <i>Clostridium novyi</i> • <i>Clostridium tetani</i> • <i>Clostridium perfringens</i> • <i>Clostridium septicum</i> • <i>Clostridium ulcerans</i>
	<i>Lactobacillus</i>		<i>Lactobacillus acidophilus</i>
	<i>Propionibacterium</i>		<i>Propionibacterium acnes</i> • <i>Propionibacterium propionicus</i>

coke	aerobic	<i>Acinetobacter</i>	<i>Acinetobacter calcoaceticus</i>	
		<i>Moraxella</i>	<i>Moraxella catarrhalis</i> • <i>Moraxella lacunata</i>	
		<i>Neisseria</i>	<i>Neisseria gonorrhoeae</i> • <i>Neisseria meningitidis</i> • Non-pathogenic species of <i>Neisseria</i>	
anaerobic	<i>Veillonella</i>	<i>Veillonella alcalescens</i> • <i>Veillonella parvula</i>		
cocobacilli	aerobic	<i>Rickettsia</i>	<i>Rickettsia prowazekii</i> • <i>Rickettsia rickettsii</i> • <i>Rickettsia typhi</i>	
aerobic	<i>Alcaligentes</i>	<i>Alkaligentes feacalis</i>		
	<i>Bartonella</i>	<i>Bartonella bacilliformis</i> • <i>Bartonella henselae</i> • <i>Bartonella quintana</i>		
	<i>Bordetella</i>	<i>Bordetella bronchiseptica</i> • <i>Bordetella parapertussis</i> • <i>Bordetella pertussis</i>		
	<i>Brucella</i>	<i>Brucella abortus</i> • <i>Brucella canis</i> • <i>Brucella melitensis</i> • <i>Brucella suis</i>		
	<i>Burkholderia</i>	<i>Burkholderia cepacia</i> • <i>Burkholderia mallei</i> • <i>Burkholderia pseudomallei</i>		
	<i>Francisella</i>	<i>Francisella tularensis</i>		
	<i>Legionella</i>	<i>Legionella pneumophila</i>		
	<i>Kingella</i>	<i>Kingella denitrificans</i> • <i>Kingella kingae</i> • <i>Kingella oralis</i>		
	<i>Pseudomonas</i>	<i>Pseudomonas aeruginosa</i> • <i>Pseudomonas fluorescens</i>		
	<i>Stenotrophomonas</i>	<i>Stenotrophomonas maltophilia</i>		

sticks

facultatively anaerobic

<i>Actinobacillus</i>	<i>Actinobacillus equi</i> • <i>Actinobacillus lignieresii</i>
<i>Aeromonas</i>	<i>Aeromonas caviae</i> • <i>Aeromonas hydrophila</i> • <i>Aeromonas sobria</i>
<i>Afipia</i>	<i>Afipia felis</i>
<i>Citrobacter</i>	<i>Citrobacter freundii</i> • <i>Citrobacter koseri</i>
<i>Eikenella</i>	<i>Eikenella corrodens</i>
<i>Enterobacter</i>	<i>Enterobacter aerogenes</i> • <i>Enterobacter cloacae</i>
<i>Escherichia</i>	<i>Escherichia coli</i>
<i>Haemophilus</i>	<i>Haemophilus ducreyi</i> • <i>Haemophilus haemolyticus</i> • <i>Haemophilus influenzae</i> • <i>Haemophilus parainfluenzae</i>
<i>Klebsiella</i>	<i>Klebsiella granulomatis</i> • <i>Klebsiella oxytoca</i> • <i>Klebsiella pneumoniae</i>
<i>Pasteurella</i>	<i>Pasteurella haemolytica</i> • <i>Pasteurella multocida</i> • <i>Pasteurella ureae</i>
<i>Plesiomonas</i>	<i>Plesiomonas shigelloides</i>
<i>Proteus</i>	<i>Proteus mirabilis</i> • <i>Proteus vulgaris</i>
<i>Salmonella</i>	<i>Salmonella</i> Enteritidis • <i>Salmonella</i> Typhi • <i>Salmonella</i> Paratyphi
<i>Serratia</i>	<i>Serratia marcescens</i>
<i>Shigella</i>	<i>Shigella boydii</i> • <i>Shigella dysenteriae</i> • <i>Shigella flexneri</i> • <i>Shigella sonnei</i>
<i>Vibrio</i>	<i>Vibrio cholerae</i> • <i>Vibrio parahaemolyticus</i>
<i>Yersinia</i>	<i>Yersinia enterocolitica</i> • <i>Yersinia pestis</i> • <i>Yersinia pseudotuberculosis</i>

microaerophilic

<i>Campylobacter</i>	<i>Campylobacter coli</i> • <i>Campylobacter fetus</i> • <i>Campylobacter jejuni</i>
<i>Helicobacter</i>	<i>Helicobacter pylori</i>

anaerobic

<i>Bacteroides</i>	<i>Bacteroides fragilis</i> • <i>Bacteroides vulgatus</i>
<i>Fusobacterium</i>	<i>Fusobacterium necrophorum</i> • <i>Fusobacterium nucleatum</i> • <i>Fusobacterium stabile</i>
<i>Leptotricha</i>	<i>Leptotricha buccalis</i>
<i>Mobiluncus</i>	<i>Mobiluncus curtisii</i> • <i>Mobiluncus mulieris</i>
<i>Prevotella</i>	<i>Prevotella melaninogenica</i>
<i>Porphyromonas</i>	<i>Porphyromonas gingivalis</i>

acid resistant	sticks	aerobic	<i>Mycobacterium</i>	<i>Atypical mycobacteria</i> • <i>Mycobacterium tuberculosis</i> • <i>Mycobacterium leprae</i>
non-stainable G +/-	spiral	strictly aerobic	<i>Leptospira</i>	<i>Leptospira biflexa</i> • <i>Leptospira interrogans</i> • <i>Leptospira parva</i>
		microaerophilic	<i>Borrelia</i>	<i>Borrelia burgdorferi</i> • <i>Borrelia hermsi</i> • <i>Borrelia recurrentis</i> • <i>Borrelia vincenti</i>
		strictly anaerobic	<i>Treponema</i>	<i>Non-pathogenic treponems</i> • <i>Treponema carateum</i> • <i>Treponema pallidum</i> • <i>Treponema phagedenis</i> • <i>Treponema pertenue</i>
Portal: Microbiology				