

2. Currie BJ. Melioidosis: an important cause of pneumonia in residents of and travelers returned from endemic regions. *Eur Respir J*. 2003;22:542–50. DOI: 10.1183/09031936.03.00006203
3. Brisse S, Stefani S, Verhoefn J, Van Belkum A, Vandamme P, Goessens W. Comparative evaluation of the BD Phoenix and VITEK 2 automated instruments for identification of isolates of the *Burkholderia cepacia* complex. *J Clin Microbiol*. 2002;40:1743–8. DOI: 10.1128/JCM.40.5.1743-1748.2002
4. Maschmeyer G, Göbel UB. *Stenotrophomonas maltophilia* and *Burkholderia cepacia*. In: Mandell GL, Bennett JE, and Dolin R, editors. Principles and practice of infectious diseases, 6th ed. Edinburgh (UK): Churchill Livingstone; 2004. p. 2615–22.
5. Tomaso H, Scholz HC, Al Dahouk S, Eickhoff M, Treu TM, Wernery R, et al. Development of a 5'-nuclease real-time PCR assay targeting flIP for the rapid identification of *Burkholderia mallei* in clinical samples. *Clin Chem*. 2006;52:307–10. DOI: 10.1373/clinchem.2005.059196
6. Multi locus sequence typing (MLST). London: Imperial College London; 2008 [cited 2008 Nov 24]. Available from <http://bpseudomallei.mlst.net>
7. Lowe P, Engler C, Norton R. Comparison of automated and non-automated systems for identification of *Burkholderia pseudomallei*. *J Clin Microbiol*. 2002;40:4625–7. DOI: 10.1128/JCM.40.12.4625-4627.2002
8. Cheng AC, Currie BJ. Melioidosis: epidemiology, pathophysiology, and management. *Clin Microbiol Rev*. 2005;18:383–416. DOI: 10.1128/CMR.18.2.383-416.2005
9. Peacock SJ, Schweizer HP, Dance DA, Smith TL, Gee JE, Wuthiekanun V, et al. Management of accidental laboratory exposure to *Burkholderia pseudomallei* and *B. mallei*. *Emerg Infect Dis*. 2008;14:e2. DOI: 10.3201/eid1407.071501
10. Amornchai P, Chierakul W, Wuthiekanun V, Mahakhunkijcharoen Y, Phetsouvanh R, Currie BJ, et al. Accuracy of *Burkholderia pseudomallei* identification using the API 20NE system and a latex agglutination test. *J Clin Microbiol*. 2007;45:3774–6. DOI: 10.1128/JCM.00935-07

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etymologia

Burkholderia

[burk'hol-dēr'e-ə]

This genus of gram-negative, rod-shaped bacteria comprising animal and plant pathogens was named for American plant pathologist Walter H. Burkholder. Dr. Burkholder first described a particular species of this genus, later called *Burkholderia cepacia* (Latin for “like onion”), after an outbreak of infection in vegetable growers in New York State in 1949. Previously known to cause disease in onion bulbs, these organisms are now recognized as major bacterial lung pathogens in patients with cystic fibrosis. *B. mallei* causes glanders in horses, and *B. pseudomallei* is the etiologic agent of melioidosis in humans and animals. Dr. Burkholder is recognized for helping establish the role of bacteria as plant pathogens.

Source: Dorland's illustrated medical dictionary, 31st edition. Philadelphia: Saunders; 2007; De Soyza A, Silipo A, Lanzetta R, Govan JR, Molinaro A. Chemical and biological features of *Burkholderia cepacia* complex lipopolysaccharides. *Innate Immunity*. 2008;14:127.



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