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## MULTIPLEX PCR FOR THE IDENTIFICATION AND DIFFERENTIATION OF BURKHOLDERIA PSEUDOMALLEI FROM BURKHOLDERIA THAILANDENSIS AND CLOSELY RELATED GRAM NEGATIVE ORGANISMS



### ▶ MORE INFORMATION

#### MEGA-TREND

- Healthcare

#### TECHNOLOGY READINESS LEVEL (TRL)

- TRL 9

#### PATENT/ GRANTED NUMBER

- PI 2010004547

### ▶ TECHNOLOGY OVERVIEW

Melioidosis is an important cause of sepsis in the tropics caused by an environmental soil saprophyte -burkholderia pseudomallei (b. Pseudomallei). In many countries, melioidosis is widely under diagnosed due to the lack of rapid tests for the identification of b. Pseudomallei. Besides, two organisms that have given considerable trouble in the identification of b. Pseudomallei in the laboratory are burkholderia cepacia (b. Cepacia) and the newly recognized and closely related, nonpathogenic, burkholderia thailandensis (b. Thailandensis,).the present invention provides a more rapid, sensitive and

specific multiplex polymerase chain reaction (pcr) method and use of novel nucleotide fragment pairs as primers to identify and differentiate *b. Pseudomallei* from *b. Thailandensis* and *b. Cepacia* complex organisms and other closely related gram negative bacteria.

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## CONTACT US!

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