

Identification of *Burkholderia pseudomallei*

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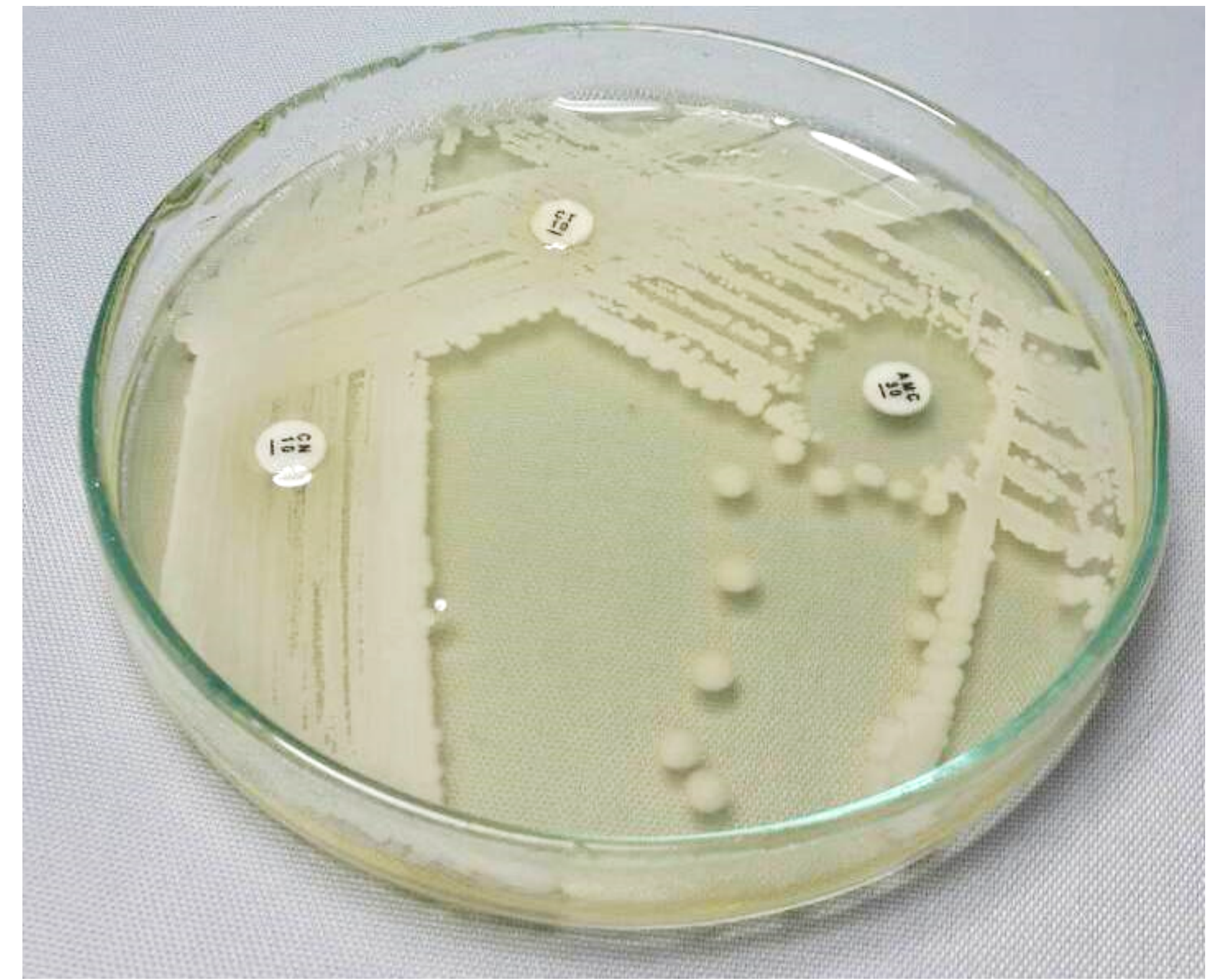
Any Gram-negative bacillus that is oxidase-positive and not *Pseudomonas aeruginosa* should be suspected potentially to be *B. pseudomallei*

Simple biochemistry test



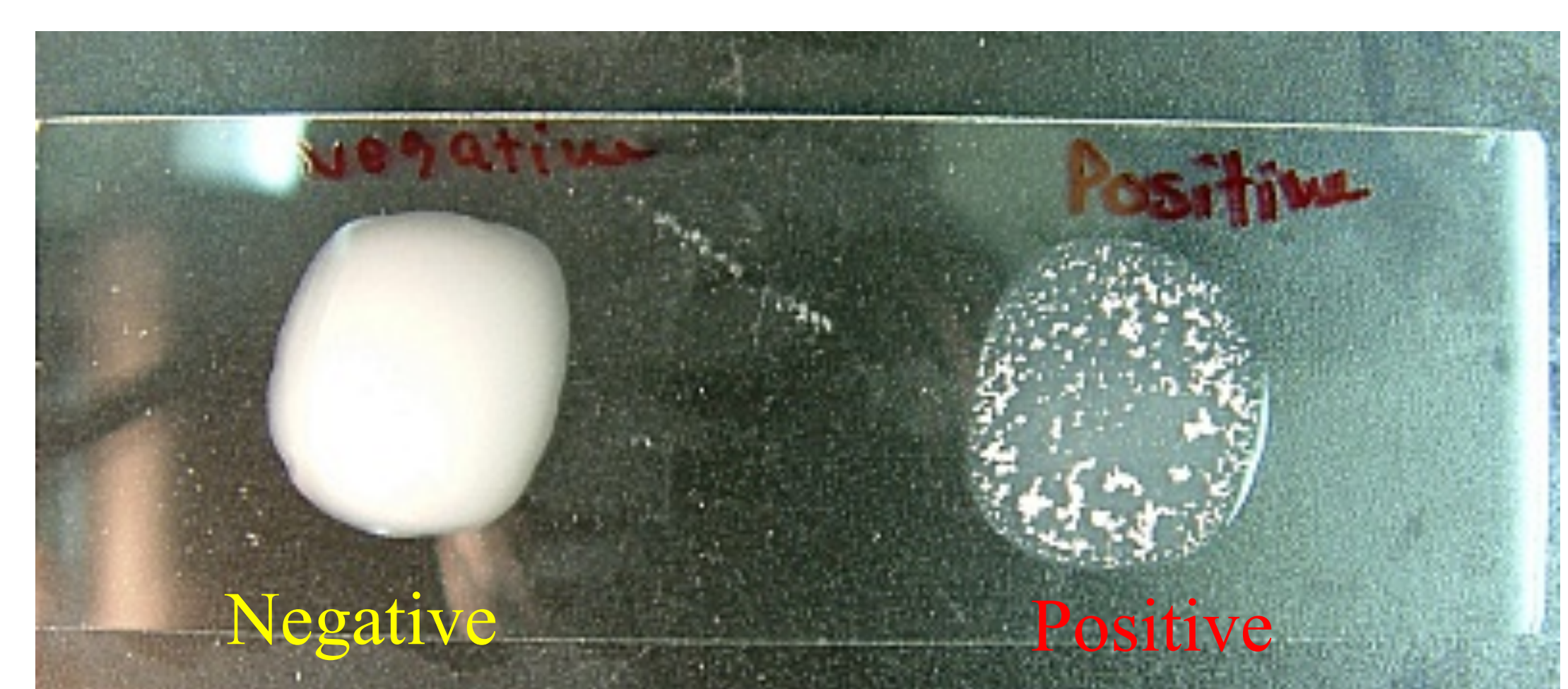
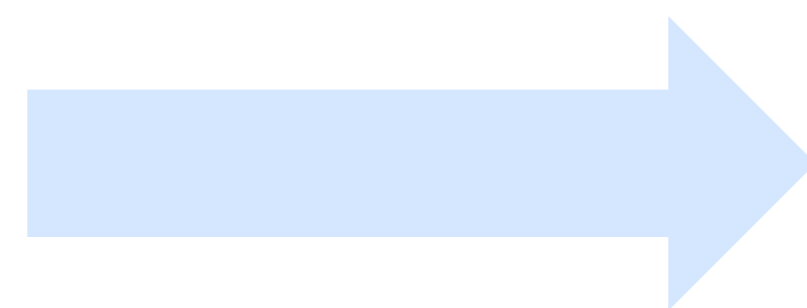
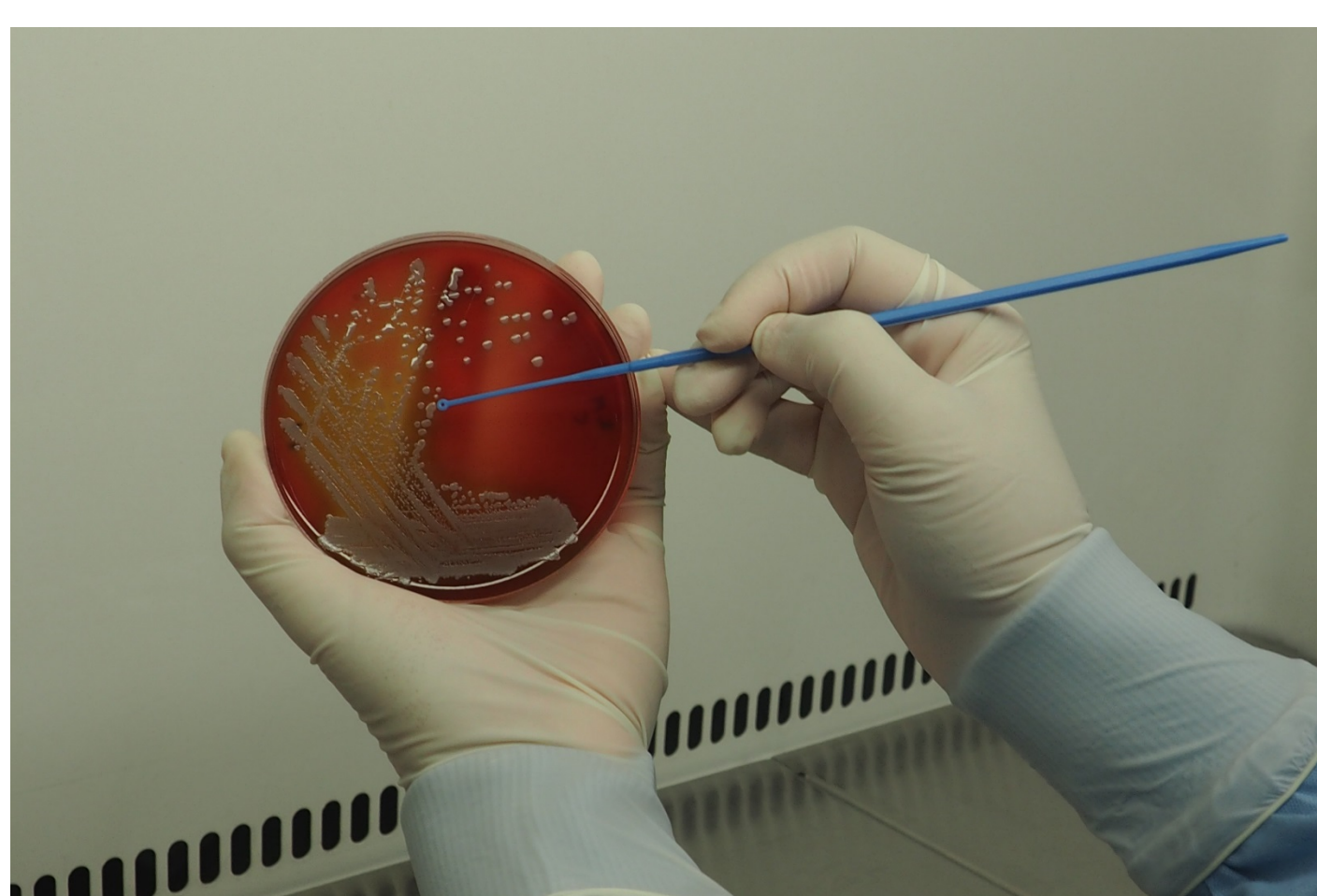
Gram-negative slender bacilli which are oxidase positive and have a metallic sheen on Triple Sugar Iron (TSI) agar, with no change in butt and slant, should be investigated further as possible *B. pseudomallei*.

Simple susceptibility test



B. pseudomallei is usually susceptible to co-amoxiclav, but resistant to gentamicin and colistin.

Latex Agglutination assay



Pick suspected colony and emulsify in reagent, gently rock the solution for 2 minutes before reading the result (positive shows agglutinated particles in a relative clear solution).

Commercial API 20 NE biochemical testing strip (bioMerieux)



Common profile numbers are 1156577, 1556577, 1156576, 1556576, 1156575, 1556575

Note: Be aware that each test is not always perfect. False-positive and false-negative results by a single test are not uncommon. Using multiple methods for confirmation is recommended. Gram-stain showing bipolarity is neither sensitive nor specific.