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Mycobacterium smegmatis

National Cancer Institute

Source

National Cancer Institute. *Mycobacterium smegmatis*. NCI Thesaurus. Code C86590.

A species of aerobic, Gram-positive, rod shaped bacteria assigned to the phylum Actinobacteria. This species is acid-fast, grows on MacConkey's agar, is iron uptake and nitrite reduction positive, and 3 day arylsulfatase negative. *M. smegmatis* was originally isolated from the human genitourinary tract, is also found in soil and water, and causes human post-traumatic wound infections and lung infections.