



Product Datasheet

Product Name Treponema pallidum p17 (Partial) Recombinant

Cata No CB501239

Source

Synonyms

Description

Treponema pallidum is a gram-negative spirochaete bacterium and is considered to be metabolically crippled. There are at least four known subspecies: T. pallidum pallidum, T. pallidum pertenue, T. pallidum carateum and T. pallidum endemicum. The helical structure of T. pallidum pallidum allows it to move in a corkscrew motion through viscous mediums such as mucus. Treponema pallidum sub sp. pallidum has one of the smallest bacterial genomes at 1.14 million base pairs (Mb) and has limited metabolic capabilities, reflecting its adaptation through genome reduction to the rich environment of mammalian tissue. The E.Coli derived recombinant protein is fused at N-terminus with 6xHis tag and contains the Trp. Pallidum p17 immunodominant regions.

Purity

Treponema Pallidum protein is >95% pure as determined by 10% PAGE (coomassie staining).

Formulation

70mM Tris-HCl pH8.0, 50mM NaCl, 50% Glycerol, 1.5M Urea.

Stability

Five years frozen. One month in solution at room temperature.

Applications

Treponema Pallidum protein is suitable for ELISA and Western blots, excellent antigen for detection of Trp. Pallidum with minimal specificity problems.

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