

Treponema pallidum p15 (beta-Gal tagged) - Purified

Catalog No.: AR10493PU-L

Quantity: 1 mg

Background: 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.

Source: E. coli

Format: **Purity:** >95% pure as determined by 10% PAGE (coomassie staining).
Purification Method: Treponema Pallidum protein was purified by proprietary chromatographic technique.
Buffer System: 20mM Tris-HCl pH 8, 10mM B-ME and 8M Urea

Applications: Treponema Pallidum protein is suitable for ELISA and Western blots, excellent antigen for detection of Trp. Pallidum with minimal specificity problems.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: The *E.coli* derived recombinant protein contains the Trp. Pallidum p15 immunodominant regions.
The protein contains beta-Galactosidase (114 kDa) fused at the N-terminus.
Specificity: Immunoreactive with sera of Trp. Pallidum infected individuals.

Storage: Store undiluted at 2-8°C.
DO NOT FREEZE!
Shelf life: one year from despatch.