
Product Data Sheet

Product Name: T.pallidum p15 (Partial), His
Cat. No.: GP25370
Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Formulation | 70mM Tris-HCl pH 8.0, 50mM NaCl, 50% Glycerol, 1.5 M Urea. | | |

Introduction

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 pertenuis, 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.

Stability

Treponema Pallidum protein should be stored at 2-8°C . Do NOT freeze.

Background

The E.Coli derived recombinant 6xHis tag fusion protein is a multimer having a molecular mass of 15kDa and contains the Trp. Pallidum p15 immunodominant regions and six histidines fused at the C- terminus.

Caution: Product has not been fully validated for medical applications. For research use only.

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