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## Product Data Sheet

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Product Name: T.pallidum p17 (Partial)

Cat. No.: GP25372

Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	70mM Tris-HCl pH8.0, 50mM NaCl, 50% Glycerol, 1.5M 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 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

### Background

The E.Coli derived recombinant protein is fused at N-terminus with 6xHis tag and contains the Trp. Pallidum p17 immunodominant regions.

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

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