

---

## Product Data Sheet

---

Product Name: T.pallidum p47

Cat. No.: GP25377

Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	8M urea, 10mM Tris-HCl pH 8.0, 1mM EDTA and 1mM DTT.		

### 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 subsp. 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 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 contains the T.Pallidum p47 immunodominant regions. The protein contains beta-galactosidase (114 kDa) fused at the N- terminus.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA