
Product Data Sheet

Product Name: T.pallidum p41

Cat. No.: GP25375

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	10mM Tris-HCl pH8.0, 1mM EDTA, 1mMDTT and 8M 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

T.pallidum p41 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 outer membrane T.Pallidum p41 immunodominant regions. The protein is fused with a Beta-galactosidase tag.

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

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