
Product Data Sheet

Product Name: Treponema p17 22kDa

Cat. No.: GP25374

Batch No.: 1

Product Data

Purity >98%

Source Escherichia Coli.

Physical
Appearance solid

Shipping
Condition Shipped with Ice Packs.

Formulation Treponema p17 22kDa protein solution contains PBS 50mM arginine.

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 p17 22kDa protein although stable at 4°C for 1 week, should be stored below -18°C . Please prevent freeze thaw cycles.

Background

Recombinant Treponema pallidum p17 derived from full length TP17 gene containing 139 aa produced in E.Coli and fused to a 6xHis tag at C-terminus. The total Mw is 22kDa and the pI is 8.7, was purified by proprietary chromatographic techniques.

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