
Product Data Sheet

Product Name: Treponema TP0453

Cat. No.: GP26436

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	Outer membrane protein TP0453, 30kLP, TP_0453, TPANIC_0453		
Formulation	Treponema TP0453 solution contains 25mM K ₂ CO ₃ with PBS.		

Introduction

Tp0453 is a carrier of lipids and glycolipids during outer membrane. Tp045 is hypothesized to be a new type of bacterial outer membrane protein, which reduces T.pallidum outer membrane permeability to nutrients while remaining inaccessible to antibodies. Tp0453 exhibited 100% specificity and sensitivity in reaction with syphilis patients' sera, giving negative result with Lyme disease, relapsing-fever or leptospirosis patients' sera.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Recombinant Treponema pallidum Outer Membrane Protein TP0453 has a Mw of 26kDa, and was purified from E. coli. The Recombinant Treponema pallidum Outer Membrane Protein TP0453 is fused to 6 amino acid His tag at its C terminal and purified by proprietary chromatographic technique.

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

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