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Treponema TmpA 45kDa

Treponema pallidum TmpA, 45kDa Recombinant
VAG0493

Product Overview

Name	Treponema TmpA 45kDa

Description

Treponema pallidum TmpA, 45kDa Recombinant

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 pertenue, 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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from 1mg/ml in 20mM sodium carbonate pH-10.

Stability

Treponema TmpA although stable at room temperature for 4 weeks, should be stored below -18°C. Please prevent freeze thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Solubility

It is recommended to reconstitute the lyophilized Treponema TmpA in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Treponema TmpA 45kDa is for research use only and not for use in diagnostic or therapeutic procedures.