
Product Data Sheet

Product Name: Chimeric Chagas
Cat. No.: GP25205
Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Solubility	It is recommended to reconstitute the lyophilized Chimeric Chagas Multiantigen in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Chimeric Chagas Multiantigen was lyophilized from 20mM Tris pH-8.5, 100mM Sodium chloride, 20% trehalose and 0.1% Sodium azide as preservative.		

Introduction

Trypanosoma cruzi, better known as T. cruzi, is a deadly parasite that causes Chagas disease. This disease is a chronic infection, which primarily affects the heart and nervous system, causing severe neurological disorders, as well as swelling or denervation of nervous tissue in the heart, colon and esophagus. Chagas disease often goes undiagnosed due to close association of symptoms to heart disease and a variety of other disorders. The organism can circulate in the blood of infected patients for many years after infection, and can lead to transfusion-acquired infections in blood recipients from these infected donors. Contaminated blood transfusions are suspected to be the primary way in which the parasite has been transmitted to industrialized countries.

Stability

Store lyophilized Chagas Multiantigen at 2-8°C . After reconstitution, store at -20°C .Prevent freeze/thaw cycles.

Background

Recombinant Chimeric Chagas Multiantigen (MACH) (Trypanosoma cruzi) produced in E.Coli, is a polypeptide chain of 87 a.a. with epitopes PEP-2, TcD, TcE and SAPA. The

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protein is fused to a 6-His tag and having an Mw of 9.9kDa.

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