
Product Data Sheet

Product Name: Malaria Pv. MSP1

Cat. No.: GP25158

Batch No.: 1

Product Data

Purity >98%

Source

Physical
Appearance solid

Shipping
Condition Shipped with Ice Packs.

Formulation Sterile Filtered solution containing Phosphate buffered saline, 25mM arginine and 1mM EDTA.

Introduction

Plasmodium falciparum is a protozoan parasite, one of the species of Plasmodium that cause malaria. Malaria parasites are members of the Apicomplexa. Apicomplexa are characterized by a set of organelles found in some stages of the parasite's life cycle. These organelles, collectively known as apical organelles because of their localization at one end of the parasite, are involved in interactions between the parasite and host. In particular, the apical organelles have been implicated in the process of host cell invasion. In the case of Plasmodium, three distinct invasive forms have been identified: sporozoite, merozoite, and ookinete.

Stability

Pv. MSP1 although stable at 4°C for 1 week, should be stored below -18°C .Please prevent freeze thaw cycles.

Background

Merozoite surface antigen is a protein located on the outside of the merozoite, playing an imperative role in immune reaction. About 45% cases of malaria are infected by Plasmodium vivax (Pv). Pv. MSP1 has to be used with Plasmodium falciparum (Pf) together for ELISA and rapid diagnostic test, Plasmodium falciparum and vivax infection takes about 95% of Plasmodium caused infection. Recombinant Malaria Vivax MSP1 produced in E.coli and fused to a GST tag was purified by proprietary chromatographic technique.

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

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