9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CMV Mosaic

Cytomegalo Virus Mosaic Recombinant
VAG0053

Product Overview

Name	CMV Mosaic

Description

Cytomegalo Virus Mosaic Recombinant

Introduction

CMV belongs to the Betaherpesvirinae subfamily of Herpesviridae which includes herpes simplex virustypes 1 and 2, varicella-zoster virus, and Epstein-Barrvirus. The herpesviruses share a characteristic ability to remain latentover long periods. CMV is a double-stranded linear DNA virus with 162 hexagonal protein capsomeres surrounded by a lipid membrane. CMV has the largest genome of the herpes viruses, ranging from 230-240 kilobase pairs. Human CMV is composed of unique and inverted repeats that include the existence of 4 genome isomers caused by inversion of L-S genome components (class E). Replication may be divided into immediate early, delayed early, and late gene expression based on time of synthesis after infection. The DNA is replicated by rolling circles. In vitro, CMV replicates in human fibroblasts.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

CMV Mosaic protein solution contains Phosphate buffered saline, 2M urea and 100mM arginine.

Stability

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

Purity

CMV Mosaic is >85% pure as determined by 12% PAGE (coomassie staining).

Precautions

CMV Mosaic is for research use only and not for use in diagnostic or therapeutic procedures.