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## Product Data Sheet

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Product Name: Parvovirus B19 VLP VP1/VP2  
Cat. No.: GP25486  
Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9 insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	Parvovirus B19 VLP VP1/VP2 protein solution is supplied in 16mM Sodium phosphate pH-7.4, 120mM NaCl and 20% glycerol.		

### Introduction

The B19 virus, usually referred to as parvovirus B19 or sometimes as erythrovirus B19, belongs to the family of parvoviruses, genus erythrovirus. B19 virus causes a childhood rash named **fifth disease** or **erythema infectiosum** which is ordinarily known as **slapped cheek syndrome**. Erythroviruses are members of the Parvoviridae family of small DNA viruses. The B19 virus is a non-enveloped, icosahedral virus which contains a single-stranded linear DNA genome. Parvovirus B19 is classified as erythrovirus because of its capability to invade red blood cell precursors in the bone marrow. This virus is mainly spread by infected respiratory droplets; though, blood-borne transmission has also been reported.

### 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. Avoid multiple freeze-thaw cycles.

### Background

Recombinant Parvovirus B19 VLP VP1/VP2 Co-Capsid produced in SF9 containing B19 capsid proteins VP1 (86,049 Dalton) and VP2 (60,839 Dalton). Parvovirus B19 VLP VP1/VP2 is purified by proprietary chromatographic techniques.

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

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