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## Product Data Sheet

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Product Name: H1N1 New Caledonia  
 Cat. No.: GP25509  
 Batch No.: 1

### Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	The H1N1 A/New Caledonia/20/99 IVR solution contains STE, 0.09% sodium azide (NaN <sub>3</sub> ) and 0.005% thimerosal.		

### Introduction

H1N1 is a subtype specie of Influenza A virus. H1N1 Influenza Virus has mutated into various strains such as the Spanish Flu strain, mild human flu strains, endemic pig strains, and various strains found in birds. The Influenza A Virus is a globular particle about 100nm in diameter, sheathed in a lipid bilayer derived from the plasma membrane of its host. Studded in the lipid bilayer are two integral membrane proteins some 500 molecules of hemagglutinin ("H") and some 100 molecules of neuraminidase ("N"). Within the lipid bilayer are 3000 molecules of matrix protein and 8 pieces of RNA. Each of the 8 RNA molecules is associated with many copies of a nucleoprotein, several molecules of the three subunits of its RNA polymerase some "non-structural" protein molecules of uncertain function.

### Stability

A/New Caledonia/20/99 IVR although stable 4°C for 4 weeks, should be stored below -18°C . Please prevent freeze-thaw cycles.

### Background

Allantoic fluid of 10 days old embryonated eggs, inoculated with influenza A virus, strain A/ New Caledonia/20/99 IVR 116. The Influenza Virus was purified by Ultracentrifugation with 10-40 % sucrose gradient.

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

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