Native H1N1/Influenza A Virus New Caledonia/20/99 IVR 116

Catalog No.	CSI15840A	**Quantity:**	10 µg
	CSI15840B		50 µg
	CSI15840C		1.0 mg

Description: 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 100 nm 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.
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 Ultra centrifugation with 10-40% sucrose gradient.

Source: Allantoic fluid

Purity: Greater than 90.0% as determined by Analysis by SDS-PAGE.

Physical Appearance: Sterile Filtered colorless solution Formulation The H1N1 A/New Caledonia/20/99 IVR solution contains STE, 0.1% sodium azide (NaN3) and 0.005% thimerosal.
Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.
Precaution: Thiomersal is a poisonous and hazardous substance which should be handled by trained staff only.

Immunological Activity: Tested with anti-influenza A monoclonal antibodies in ELISA. Serological studies of influenza A virus, immunogen for antibody production.

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

Inactivation: Thimerosal and beta propiolactone treatment
This product has been treated in a manner consistent with methods of inactivation. Generally accepted good laboratory practices appropriate to microbiological/viral safe handling practices and techniques are required at work.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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