

AR00152PU-N**VZV / HHV-3 (Ellen Strain) - Purified****Alternate names:** HHV3, Varizella zoster**Quantity:** 1 mg**Background:** Varicella Zoster Virus (VZV), a member of the human herpes virus family, causes two distinct clinical manifestations: childhood chickenpox(Varicella) and shingles (zoster). Varicella is the outcome of the primary infection with VZV, whereas, zoster is the result of VZV reactivation from latently infected sensory ganglia which occurs predominantly in aging and immunosuppressed individuals. VZV is closely related to the herpes simplex viruses (HSV), sharing much genome homology. The known envelope glycoproteins (gB, gC, gE, gH, gI, gK, gL) correspond with those in HSV, however there is no equivalent of HSV gD. VZV virions are spherical and 150-200 nm in diameter. Its lipid envelope encloses the nucleocapsid of 162 capsomeres arranged in a hexagonal form. Its DNA is a single linear, double strand molecule, 125,000 nt long.**Source:** Embryonic lung cells, Human Embryo Lung cell culture**Format:** **State:** Liquid purified protein
Purity: Infected cells are harvested and virus extracted by alkaline treatment and sonication. Clarified by centrifugation the preparation is further purified on a sucrose density gradient. The resulting antigen preparation consists of a high concentration of virus and viral components as well as some cellular material.
Buffer System: 0.1M glycine buffer, pH 9.6**Description:** Varicella Zoster Virus (VZV) Antigen, Strain Ellen.
Inactivation: Beta-propiolactone treatment. Confirmation by attempted growth under original culture conditions.**Storage:** Store the protein at -20°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.**Caution:** No test guarantees a product to be non-infectious. All materials should be handled as if potentially infectious. Generally accepted laboratory practices appropriate for infectious materials should be employed when handling this product.