

VARICELLA-ZOSTER VIRUS ANTIGEN



Varicella-Zoster Virus (VZV) is the etiologic agent of two clinical diseases: Chickenpox (Varicella) and Shingles (Zoster). Chickenpox is an acute generalized disease with the sudden onset of fever and vesicular eruptions of the skin and mucous membranes.

PRODUCT #	DESCRIPTION	BUFFER	PROTEIN CONCENTRATION	STORAGE	PACKAGING
7209	Viral Strain: ELLEN Propagated in HF Cells UV Inactivated	0.1M Glycine Buffer pH 9.3 - 9.7	0.1 - 0.25mg/mL < 10% Viral Protein	-65°C or Below	1, 5, 10, & 100mL Aliquots Shipped on Dry Ice
7740	As Above Detergent Free				

Varicella is typically a disease of children and is rarely fatal except in immunocompromised patients.¹ After an attack of chickenpox, the Varicella-Zoster virus lies dormant in the nerve tissue with the possibility of reactivation in the form of shingles, which may be manifest as an outbreak of a rash or blisters on the skin. Shingles is more common in people with weakened immune systems from HIV infection, chemotherapy or radiation treatment, transplant operations and stress.²

The presence of serum antibody to VZV has been shown to correlate with immunity to varicella. Determination of immune status to varicella is important for hospital personnel in contact with immunocompromised patients. With the licensing of the live attenuated VZV vaccine in North America, there is a necessity to determine the immune status of patients and evaluate their eligibility prior to administering the vaccine.

Varicella-Zoster Virus Antigen, Product #7209 and Product #7740 (detergent free) are prepared by the glycine extraction of human fibroblast infected with VZV, strain ELLEN. The inactivated antigen preparation is partially purified to reduce host cell components. This preparation yields high sensitivity and low background in the ELISA and other solid phase immunoassays.

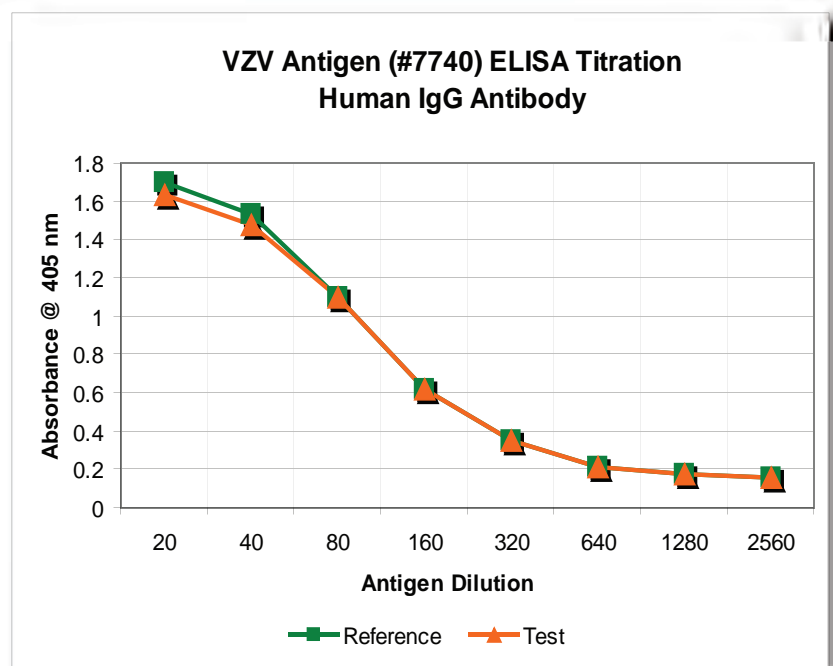
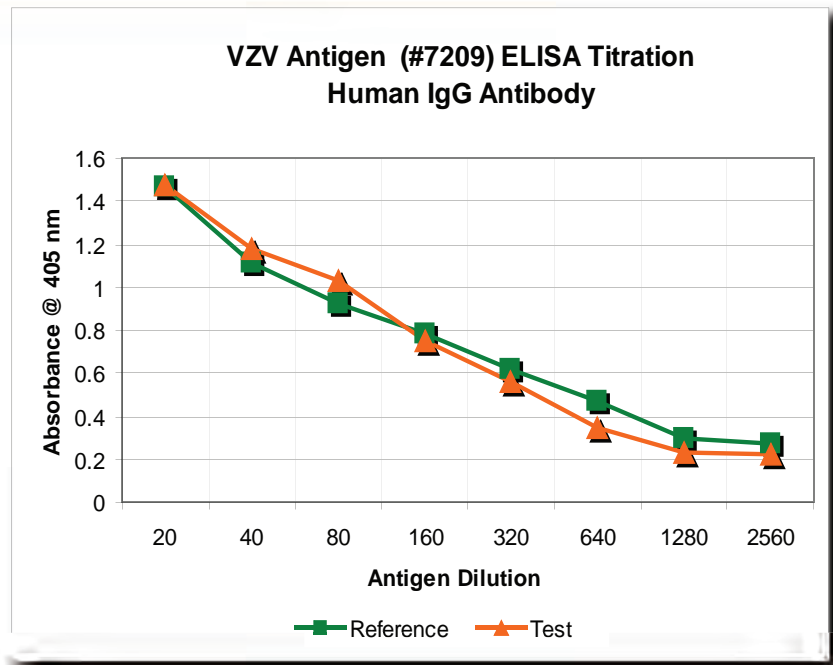
¹ Health Canada Population and Public Health Branch (PPHB) MSDS Varicella-zoster virus page at <http://www.hc-sc.gc.ca/pphb-dgspsp/msds-ftss/msds161e.html>.

² National Institutes of Health U.S. Department of Health and Human Services June 2003 Health Matters fact sheet at <http://www.niaid.nih.gov/factsheets/shinglesFS.htm>.

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Varicella Virus, Zoster Virus, Human Herpes Virus 3 (HHV-3) and Varicella-Zoster Virus (VZV) all refer to the same pathogen.



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