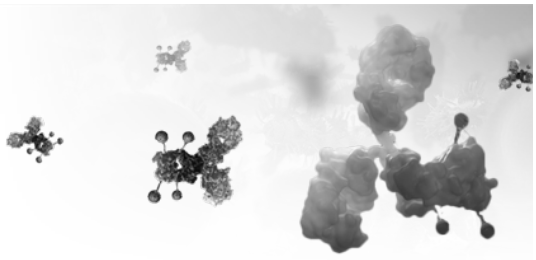

VZV Grade 2 (DAG-H10385)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The resulting antigen preparation contains a high concentration of virus and viral components as well as some cellular material suspended in EMEM with some serum proteins.
Species	VZV
Conjugate	Unconjugated
Applications	IgG and IgM ELISA Western Blot Microparticle based EIA Lymphocyte proliferation assays
Size	1 ml, 10 ml
Preservative	None
Storage	Store this antigen preparation frozen at -70 °C to -100 °C. Repeated freezing and thawing should be avoided.

BACKGROUND

Introduction	Varicella zoster virus (VZV) is one of eight herpes viruses known to infect humans (and other vertebrates). It commonly causes chicken-pox in children and Herpes zoster (shingles) in adults and rarely in children. 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 virons are spherical and 150-200 nm in diameter. Its lipid envelope encloses the nucleocapsid of 162

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	capsomeres arranged in a hexagonal form. Its DNA is a single linear, double strand molecule, 125,000 nt long. In contrast, the genes for gE proteins can be deleted from herpes simplex virus and pseudorabies virus, albeit with significant reductions in infectivity in cell culture and in animal models. Since the VZV genome does not encode a homologue of gD, VZV gE may have functions that are usually segregated between gD and gE, or the gE to gI complex, in other alphaherpesviruses.
Keywords	VZV; herpes virus 3; HHV 3; HHV3; Varicella Zoster Virus; VZV; Varicellovirus; HHV-3

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