

## VARICELLA ZOSTER VIRUS (VZV) Purified Virus Lysate

**PRODUCT DESCRIPTION:**

Varicella Zoster Virus (VZV) is a human Herpes virus (HHV-3) with a diameter of approximately 200 nm. It is an enveloped icosahedral virus that contains a nucleocapsid and double-stranded linear DNA.

Varicella Zoster Virus (Strain: Ellen) is propagated in the CV-1 or MRC-5 cell line.

This virus is purified using sucrose density gradient ultracentrifugation, disrupted in the presence of 0.5% Triton X-100 non-ionic detergent/0.6 M KCl, and heat inactivated.

Viral lysate is usually sold in a vial containing 1.0 mg of protein, and is shipped on dry ice. Protein concentrations generally range from 0.5 to 3.0 mg/mL.

Custom orders are available, including specific buffer formulations and package sizes.

**INTENDED USE:**

This product is intended for research, product development, quality assurance testing, or further manufacturing use.

Viral lysates can be utilized as an antigen, as a source for the purification of viral proteins, or for the detection of viral antibodies. Applications include:

- Immunodetection of antibodies to VZV using solid-phase enzyme immunoassays (EIA)
- Western blot
- Dot blot
- Other protein-based assay.

**ETIOLOGIC STATUS/BIOHAZARD TESTING:**

VZV is a Biosafety Level 2 organism.

Viral inactivation is verified for every lot of lysate by the absence of viral growth in validated tissue culture based infectivity assays.

**PRECAUTIONS:**

USE UNIVERSAL PRECAUTIONS when handling this product!

Viral lysate has been treated by a method validated to be effective for virus inactivation. However, no method can be guaranteed 100% effective.

This material should be handled as if capable of transmitting infectious agents.

**RECOMMENDED STORAGE:**




Viral lysate should be stored at -65°C or below.

To avoid repeat freeze-thaws, which could negatively impact product performance, viral lysate should be stored in aliquots upon receipt.

**DO NOT USE IN HUMANS. FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.**

These products are NOT intended for use in the **manufacture or processing of injectable products** subject to licensure under section 351 of the Public Health Service Act, or for any other product intended for administration to humans.

This product was manufactured in a facility which has a Quality Management System that is ISO 13485 certified.

REF	Catalog Number		Temperature Limitation
LOT	Lot Number		Biological Risk
RUO	For Research Use Only		Date of Manufacture

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