

## Certificate of Analysis

**Name:** Human Parainfluenza Virus Type 4A Lysate

**Product Code:** NAT41622-100 / NAT41622-500

**Batch #:**

**Date of Manufacture:**

**Description:** Parainfluenza Virus is an enveloped, negative-sense single-stranded RNA virus with a diameter of approximately 150 to 250 nm.

**Purification:** This virus is purified from LLC-mk2 cells 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.

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

**Health and Safety:** Parainfluenza Virus is a Biosafety Level 2 organism. 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.

**Amount:** 0.1 mg / 0.5 mg

**Concentration:** 0.5-3.0 mg/ml

**Presentation:** Liquid

**Buffer:** 0.5% Triton X-100 non-ionic detergent/0.6 M KCl

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

### Usage Guidelines

**Short Term Storage:** -80°C

**Long Term Storage:** -80°C

**General:** Avoid repeat freeze-thaws

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**Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.**