

Inactivated Human Parainfluenza Virus 2 Antigen

Cat.No:DAG206

Lot. No. (See product label)

PRODUCT INFORMATION

Storage	Store at 70°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.
Format	Inactivated Pathogen
Applications	ELISA
Key words	Human parainfluenza viruses; HPIVs; HPIV-2; HPIV; Human Parainfluenza virus 2; Paramyxoviridae
Target Species	Viral
Activity	This product has been rendered inactive by standard procedures. However, this material should still be handled as infectious and should be disposed of appropriately.
Buffer Solution	Tissue Culture Media
Preservative Stabilisers	None present
Preparation	Optimally infected monolayers are harvested, disrupted by sonication and subjected to low speed centrifugation. The clarified cell lysate is pooled with supernatant from the infected culture and concentrated using crossflow ultrafiltration with a 30,000 molecular cutoff. The antigen preparation is inactivated using gamma radiation.
Shelf Life	18 months from date of dispatch.

Background

Introduction	HPIV is genetically and antigenically divided into types 1 to 4. HPIV 1 to HPIV 3 are major causes of lower respiratory infections in infants, young children, the immunocompromised, the chronically ill, and the elderly. Each subtype can cause somewhat unique clinical diseases in different hosts. HPIV are enveloped and of medium size (150 to 250 nm), and their RNA genome is in the negative sense. These viruses belong to the Paramyxoviridae family, one of the largest and most rapidly growing groups of viruses causing significant human and veterinary disease. HPIV are closely related to recently discovered megamyxoviruses (Hendra and Nipah viruses) and metapneumovirus.
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