

## Parainfluenza Virus Type 2

DAG4703 hPIV

Lot. No. (See product label)

### PRODUCT INFORMATION

|                         |                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product overview</b> | Parainfluenza Virus Type 2                                                                                                                                                                                                           |
| <b>Description</b>      | Infected cell culture supernatant is treated to remove cellular material, further purified by size exclusion chromatography and concentrated. The antigen is presented in Tris/NaCl buffer at pH 7.4.                                |
| <b>Source</b>           | Vero cell culture                                                                                                                                                                                                                    |
| <b>Species</b>          | hPIV                                                                                                                                                                                                                                 |
| <b>Immunogen</b>        | Parainfluenza virus Type 2 - Strain Greer                                                                                                                                                                                            |
| <b>Inactivation</b>     | Beta-propiolactone treatment. Inactivity is confirmed by attempted growth under original culture conditions. Since no procedure can guarantee absolute sterility, the reagent should be handled with appropriate safety precautions. |
| <b>Applications</b>     | By ELISA                                                                                                                                                                                                                             |

### PACKAGING

|                 |                                                    |
|-----------------|----------------------------------------------------|
| <b>Storage</b>  | -20° C to -80°C. Avoid repeated freeze-thaw cycles |
| <b>Shipping</b> | 10 years from manufacture                          |

### BACKGROUND

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| <b>Introduction</b> | 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. |
| <b>Keywords</b>     | Human parainfluenza viruses; HPIVs; HPIV-2; HPIV; Human Parainfluenza virus 2; Paramyxoviridae                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### REFERENCES

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2. Sable CA, Hayden FG (December 1995). "Orthomyxoviral and paramyxoviral infections in transplant patients". *Infect. Dis. Clin. North Am.* 9 (4): 987–1003