Strain: Penn 103/70
Classification: Paramyxoviridae, Paramyxovirinae, Unclassified
Original Source: Nasopharynx of dog with kennel cough
Depositor: Univ. of Pennsylvania

Refer to the Certificate of Analysis for batch-specific test results.

Propagation
Propagated Host:
MDCK cells (ATCC CCL-34)
Recommended Propagated Host: MDCK (ATCC CCL-34)

Effect on Host:
Yes, in vitro effects: Little or no CPE
no CPE, hemagglutination with GPRBC and CRBC. Hemadsorption of GPRBC to infected monolayers.
Yes, in vitro effects: positive hemadsorption

Medium:
Virus growth medium: EMEM (ATCC 30­2003) + 10% FBS (ATCC 30­2020 or 30­2021)

Growth Conditions
Temperature: 36.0°C
Duration: 6 days

Comments
This holding has tested positive for Mycoplasma contamination, probable multiple undetermined contaminants. Antigenically related to SV5 but can be differentiated from it serologically. Cross-reacts with mumps virus. Stability enhanced by addition of gelatin. This material is cited in a U.S. Patent and may not be used to infringe the patent claims. Patent strain used for preparation of vaccine against tracheobronchitis (kennel cough).

References
References and other information relating to this product are available online at www.atcc.org.

Key Abbreviations
C, chicken
CO₂ (CO2), carbon dioxide
CPE, cytopathic effect
EMEM, Eagles Minimum Essential Medium
FA, fluorescent antibody
FBS, fetal bovine serum
GP, guinea pig
HA, hemagglutination
MDCK, canine kidney cells
RBC, red blood cells
SV, simian virus
TC, tissue culture
TCID₅₀ (TCID[50]), The Tissue Culture Infectious Dose
50% endpoint is the 50% infectious endpoint in cell culture. The TCID₅₀ is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose (LD₅₀) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID₅₀ provides a measure of the titer (or infectivity) of a virus preparation.
VMRD, Veterinary Medical Research and Development
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8/2003 mz
Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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