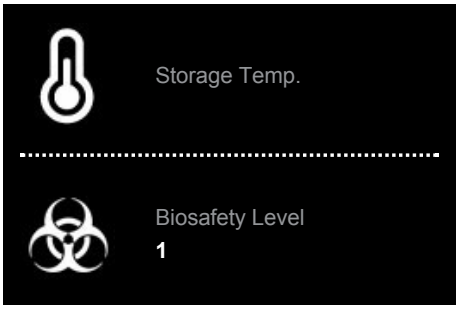
ATCC

Product Sheet

# Prunus necrotic ringspot virus (ATCC® PVAS-22™)

**Please read this FIRST**




## Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

## Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Prunus necrotic ringspot virus (ATCC® PVAS-22™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

*Or contact your local distributor*

## Description

**Strain:** Prunus necrotic ringspot virus antiserum [Prunus necrotic ringspot virus antiserum]
**Classification:** Bromovirus
**Depositor:** ATCC

## Batch-Specific Information

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

## Propagation

**Propagation Host:**
**Host Plant from which Virus was purified:** Cucumis sativus
**Test Animal Used:** Rabbit

**Effect on Host:**

**Medium:**

**Growth Conditions**

## Comments

Thirteen isolates of PNRV from stone fruit representing 3 serogroups (Plant Dis. 71: 91, 1987), a PNRV isolate from hops (Plant Dis. 71: 1019, 1986), and three isolates of apple mosaic virus (ApMV) were used to evaluate antibody specificity of the following reagents: **A.** Used as coating antibodies: (1) ATCC PVAS-22, a polyclonal antiserum produced against ATCC PV-22 (PNRV strain G); (2) ATCC PVAS-623, a polyclonal antiserum recently produced against ATCC PV-22. **B.** Used as probes: (1) ATCC PVAS-604, a monoclonal antibody produced from hybridoma cell line NA70C9 (Phytopathology 74: 367, 1984), (2) ATCC PVAS-605, a monoclonal antibody produced from hybridoma cell line NA63F10 (ibid).

In these tests, all 13 stone fruit isolated were detected by each of the four reagent combinations. None of these combinations detected PNRV from hops or any of the ApMV isolates. Assays were conducted and analyses kindly furnished by Dr. Gaylor Mink (Washington State University, Rt. 2, Box 2953-A, Prosser, WA 99350-9687).Virus is seed-transmissible.

Use Restrictions

This culture is sent with the condition that you are **responsible** for its safe storage, handling and use. ATCC is not liable for damages or injuries resulting from receipt and/or use of an ATCC culture. **It is for research use only**.

ATCC recommends that individuals contemplating commercial use of any ATCC culture or strain first contact the originating investigator to negotiate an agreement. Third party distribution of this culture is discouraged, since this practice has resulted in the unintentional spreading of contaminated cultures.

Note: While every effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

## References

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

## Biosafety Level: 1

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.

## ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC

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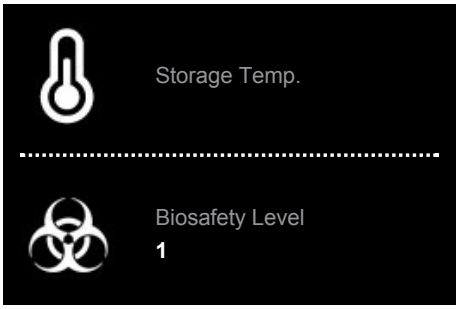


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recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

**Disclaimers**

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While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.
This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.
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