Cucumber mosaic virus

PV-548™

Description

Strain designation: Fny
Deposited As: Cucumber mosaic cucumovirus

Storage Conditions

Product format: Freeze-dried
Storage conditions: 2°C to 8°C

Intended Use

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

BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and

will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Host: *Nicotiana tabacum*
Recommendations for infection: For tissue reconstitution and inoculum preparation, the contents of the vial should be placed in a precooled (4°C) mortar with 2 to 3 mL of an inoculation buffer (e.g., 0.05 M sodium phosphate buffer, pH 7.0, with 10 mM sodium sulfite). A pestle is used to thoroughly triturate the tissue for inoculum preparation. The inoculum may be rubbed onto host plants using a sterile cotton swab and a fine abrasive, such as 500 to 600 mesh carborundum (silicon carbide) or celite (diatomaceous earth). The abrasive may be added to the inoculum (50 to 100 mg/mL) or dusted onto the plants prior to inoculation. After inoculation, the plants should be sprayed with water to remove buffer salts and abrasive.

Handling Procedures

Mycoplasma contamination: Not detected

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Notes

Virus is transmitted by seed and dodder

For storage, 0.005M Borate buffer (pH 9.0) can be used. Storage at +4°C allows the virus to remain infectious for several months.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Cucumber mosaic virus (ATCC PV-548)

References

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

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