Human rhinovirus 9

VR-1745™

Description

Strain designation: 211 [211-CV 13]

Storage Conditions

Product format: Frozen
Storage conditions: -70°C or colder

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 2

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: H1HeLa (ATCC CRL-1958)
Alternate Hosts: WI-38 (ATCC CCL-75), HeLa (ATCC CCL-2), KB (ATCC CCL-17) and other human cells
Effects: cell rounding; cell sloughing; CPE
Complete medium:
EMEM (ATCC® 30-2003™) + 2% FBS (ATCC® 30-2020™).
Temperature: 33°C
Atmosphere: 95% Air, 5% CO_2
Recommendations for infection: Plant cells 24 hours in advance and infect when cultures are 80-90% confluent. Remove medium and inoculate with a small volume of virus diluted with VGM to provide a MOI of about 0.1. Adsorb 1 hour at 33°C in a humidified, 5% CO_2 atmosphere with continuous rocking. End adsorption by adding virus growth medium.
Incubation: Incubate at 33°C in a humidified, 5% CO2 atmosphere for 3-7 days with rocking, until CPE are well advanced in 100% of the culture.

Handling Procedures

Mycoplasma contamination: Not detected

Notes

This product is a mycoplasma free preparation derived from ATCC® VR-489. Human rhinovirus 9 (ATCC® VR-489) has been fully sequenced (GenBank # FJ445177.1).

Key Abbreviations: °C, Degrees Celsius; CO_2, Carbon dioxide; CPE, Cytopathic effect; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; H1 HeLa, Human cervical carcinoma cell derivative; HeLa, Human cervical carcinoma cells; KB, Human oral epidermal carcinoma cells; MOI, Multiplicity of infection; WI-38, Human embryonic lung (diploid) cells

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Human rhinovirus 9 (ATCC VR-1745)

References

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

Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a

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Revision

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