



Human rhinovirus 10

VR-490™

Description

Strain designation: 204 [204-CV14]

Deposited As: Rhinovirus 10

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)

Effects: CPE

Complete medium:

EMEM (ATCC® 30-2003™) + 2% FBS (ATCC® 30-2020™).

Temperature: 33°C

Atmosphere: 95% Air, 5% CO₂

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% CO₂ atmosphere with continuous rocking. End adsorption by adding virus growth medium.

Incubation: 1-7 days

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Prepared in cell cultures contaminated with mycoplasma orale which can be eliminated by ether or chloroform treatment. Properties of virus similar to other picornanviruses, except unstable at pH 3.0-5.0, no hemagglutinins demonstrated, non-pathogenic for common laboratory animals.

Key Abbreviations: °C, Degrees Celsius; CO₂, 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 10 (ATCC VR-490)

References

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

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Revision

This information on this document was last updated on 2022-10-01

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