Human rhinovirus 16 (ATCC® VR-283™)

Please read this FIRST

Storage Temp.
-70°C or colder

Biosafety Level
2

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: Human rhinovirus 16 (ATCC® VR-283™)

Propagation

Propagation Host:
H1-HeLa (ATCC® CRL-1958™)

Effect on Host:
CPE, cell rounding and sloughing

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

Growth Conditions

Temperature: 33°C

Recommendations for Infection: Plate cells 24-48 hours prior to infection and infect when cultures are 80-90% confluent. Remove medium and inoculate with a small volume (e.g. 1 mL per 25 cm²) of virus diluted to provide an optimal MOI (e.g. 0.1). Adsorb 1-2 hours at 33°C in a humidified 5% CO₂ atmosphere while continuously rocking. End adsorption by adding virus growth medium.

Incubation: 1-7 days in a humidified 5% CO₂ atmosphere until 90% of the culture shows CPE.

Comments

The pH of the medium should be maintained in a range of 7.0-7.3. Rocking of cultures during adsorption may enhance viral replication and CPE. Deposited as Rhinovirus HRV-16. HA is not demonstrated. Not inactivated by ether.

References

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

Key Abbreviations

°C, degrees Celsius
CO₂ (CO2), carbon dioxide
CPE, cytopathic effect
EMEM, Eagle’s minimum essential medium
FBS, fetal bovine serum
HA, hemagglutination
MOI, multiplicity of infection

Biosafety Level: 2

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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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 If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

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

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