



Human respiratory syncytial virus

VR-3381™

Description

Respiratory Syncytial Virus strain B1 is propagated in Vero cells (ATCC CCL-81). This virus was isolated in 1985 from a human in West Virginia, United States.

Strain designation: B1

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.

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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: Vero (ATCC CCL-81)

Effects: cell rounding; cell sloughing; cell detachment; syncytia

Complete medium: EMEM (ATCC 30-2003) + 2% FBS (ATCC 30-2020)

Temperature: 37°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 of virus (e.g. 1 mL per 25 cm²) diluted to provide an optimal MOI (e.g. 0.01-0.1). Adsorb 1-2 hours at 37°C in a humidified 5% CO₂ atmosphere. End adsorption by adding virus growth medium.

Incubation: 5-10 days at 37°C in a humidified 5% CO₂ atmosphere, until CPE is progressed through 80-90% of the monolayer.

Notes

Human respiratory syncytial virus (RSV), strain B1 was developed by multiple passages in Vero cells from an original isolate in 1985 in West Virginia, United States.

Key Abbreviations: °C, Degrees Celsius; CO₂, Carbon dioxide; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; MOI, Multiplicity of infection

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Human respiratory syncytial virus (ATCC VR-3381)

References

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

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Product Sheet

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