Human rhinovirus 53

VR-1163™

Description

Strain designation: [V139-001-021, strain FO 1-3928]
Deposited As: Rhinovirus 53

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: HeLa (ATCC CCL-2)
Host Range: HE, HEK, stable Human cell cultureshuman diploid cells; human embryonic kidney cells; human cell lines
Effects: CPE
Temperature: 33°C
Incubation: 1-7 days

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Human Rhinoviruses are primarily inhabitants of the upper respiratory tract and differ from enteroviruses by their instability at low pH (3.0-5.0). Optimal conditions

of growth occur at pH 6.8-7.3 in roller cultures incubated at approximately 33°C. None of the human rhinoviruses are known to be pathogenic in any animal no hemagglutinins are demonstrated. All members of this group are ether resistant. Prepared in cell cultures contaminated with Mycoplasma orale which can be eliminated by either or chloroform treatment.

Key Abbreviations: TCID[50], Median tissue culture infective dose; WI, Human embryonic lung cells; WI-38, Human embryonic lung (diploid) cells; HE, Human embryonic cells; HEK, Human embryonic kidney cells; CPE, Cytopathic effect; TC, Tissue culture; NIAID, National Institute of Allergy and Infectious Diseases

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Human rhinovirus 53 (ATCC VR-1163)

References

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

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