Gibbon ape leukemia virus

VR-1552™

Description

Strain designation: SEATO
Deposited As: Gibbon ape leukemia virus

Storage Conditions

Product format: Frozen
Storage conditions: Vapor phase of liquid nitrogen

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

Effects: detectable by PCR; No CPE
Complete medium:
DMEM (ATCC® 30-2002™) + 10% FBS (ATCC® 30-2020™)
Temperature: 37°C
Recommendations for infection: Thaw the cells in a 37°C water bath until the ice is just melted, then add 0.5 mL of cellsdirectly to a T-25 flask containing fresh medium. Post-freeze recovery is slow. Perform complete media renewal on Day 3 and continue media renewal every 3 - 4 days. Monitor the cells for adherence and expect populations of cells to project epithelial structures on approximately Day 4 - Day 8. Cell growth rate significantly increases with subsequent subcultures.
Incubation: 3-5 days, until confluent and passaging or harvesting is needed

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Cells contain a GALV plasmid (pGEM13386) and are not infected with a primary infectious GALV. Cells are G418 resistant. Cells should be monitored by RT-PCR to confirm that viral genes are expressed. At the time of deposit, this line was considered important as a source of early passage GALV SEATO strain, which was considered a reference material of utility to PG13 gene therapy researchers.
Key Abbreviations: °C, Degrees Celsius; CPE, Cytopathic effect; DMEM, Dulbecco's Modified Eagle's Medium; FBS, Fetal bovine serum; RT-PCR, reverse-transcriptase polymerase chain reaction

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Gibbon ape leukemia virus (ATCC VR-1552)

References

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

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Revision

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