Human Coxsackievirus A 9

VR-186™

Description

Strain designation: P.B. (Bozek)
Deposited As: Coxsackievirus A9

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: LLC-MK2 Original (ATCC CCL-7)
Effects: cell degeneration; CPE
Complete medium:
EMEM (ATCC® 30-2003™) + 2% FBS (ATCC® 30-2020™)
Temperature: 37°C
Atmosphere: 95% Air, 5% CO_2
Recommendations for infection: For best results cells should be 24 to 48 hours old and 80% - 90% confluent (not 100% confluent).
Incubation: 2 to 5 days at 37°C, a 5% CO_2 in air atmosphere is recommended.

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Complete degeneration of cells in MkK culture occurs within 3 day. In suckling mice produces degeneration of muscles with loss of striation and hyaline changes. Paralysis develops in mice under 48 hours of age after i.p. inoculation of 10% suspension of infected mouse brains and limbs.

Key Abbreviations: °C, Degrees Celsius; CO_2, Carbon dioxide; CPE, Cytopathic effect; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; i.p., Intraperitoneal; LLC-MK2, Rhesus monkey kidney cells; SM, Suckling mouse

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Human Coxsackievirus A 9 (ATCC VR-186)

References

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

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Revision

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