Description

Strain: J670/71
Classification: Picornavirus, Human Enterovirus
Original Source: Conjunctival scrapings or swabs from patients in Japan with acute hemorrhagic conjunctivitis
Depositor: JL Melnick

Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

Propagation

Propagation Host:
WI-38 cells (ATCC® CCL-75™)
Effect on Host:
CPE, refractile rounding and sloughing
Medium:
EMEM + 2% FBS (ATCC® 30-2020)

Growth Conditions

Recommendations for Infection: For best results cells should be 24 to 48 hours old and 75% - 85% confluent (not 100% confluent).
Incubation: 1 to 5 days at 37°C, a 5% CO₂ in air atmosphere is recommended

Comments

Apathogenic for newborn mice. Some neurovirulence in cynomolgus monkeys that are inoculated intraspinally as well as intrathalamically. The virus is banded by gradient centrifugation in cesium chloride at a density of 1.34 g/mL.

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, Eagles minimum essential medium
FBS, fetal bovine serum
g, grams
mL, milliliter
WI-38, human embryonic diploid lung cells

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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