Strain: 33342
Classification: Picornaviridae, Enterovirus, Rhinovirus B
Original Source: Presumed from throat swab from adult with upper respiratory illness, North Carolina, 1959
Depositor: NIAID, ATCC

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

Propagation Host:
H1HeLa (ATCC® CRL-1958™)

Effect on Host:
CPE, rounding, sloughing

Medium:
EMEM (ATCC® 30-2003™) + 2% FBS (ATCC® 30-2020™)

Growth Conditions
Temperature: 33°C

Recommendations for Infection:
Plate cells 24-48 hours prior to infection and infect when cultures are 80-90% confluent. Remove medium and then wash monolayer with PBS or serum free medium prior to inoculation. Inoculate with a small volume of inoculum (e.g. 1 mL per 25 cm²) diluted to provide an optimal MOI (e.g. 0.01). Adsorb for 1 hour at 33°C in a humidified 5% CO₂ atmosphere. End adsorption by adding virus growth medium.

Incubation: 3 days at 33°C in a humidified 5% CO₂ atmosphere while rocking, until CPE is progressed throughout

ATCC® VR-1663™ was treated with diethyl ether at ATCC® to remove Mycoplasma. The previous item number was ATCC® VR-1127™ (NIAID Research Reference Reagent V-106-003-021). Strain 33342 is the prototype strain for Human rhinovirus 17.

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

Key Abbreviations
°C, Degrees Celsius
CO₂, Carbon dioxide
CPE, Cytopathic effects
EMEM, Eagles Minimum Essential Medium
FBS, Fetal bovine serum
MOI, Multiplicity of infection

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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The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC
recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

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