ATCC

Product Sheet

Human Coxsackievirus A 24 (ATCC® VR-1662™)

Please read this FIRST

Storage Temp.
-70°C or colder

Biosafety Level
2

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Human Coxsackievirus A 24 (ATCC® VR-1662™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Strain: DN-19
Classification: Picornaviridae, Enterovirus, Human enterovirus C
Original Source:
Isolated from infant with diarrhea, Texas, 1963; derived from ATCC VR-583 following treatment to remove mycoplasma contamination.
Depositor: HA Wenner

Batch-Specific Information

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

Propagation

Propagation Host:
Production Host: WI-38 (ATCC CCL-75)
Recommended Host: WI-38 cells (ATCC® **CCL-75™)**
Alternate Hosts: Human embryonic kidney cells, human aorta cells (A-39)

Effect on Host:
CPE in culture include highly refractile, rounded cells throughout monolayer or in loose clusters
CPE in culture include highly refractile, rounded cells throughout monolayer or in loose clusters.

Medium:
Virus growth medium: EMEM (ATCC® 30-2003) + 2%FBS (ATCC® 30-2020)

Growth Conditions
For best results, plate cells 24-48 hours in advance. Infect at 80%-90% confluence using a multiplicity of infection (MOI) of 0.1 to 1.0. Incubate at 37.0°C in a humidified, 5% CO2 atmosphere for 2-4 days, until CPE are well advanced in 100% of the culture. Harvest cells and culture fluids; cell debris can be removed by centrifugation if desired.

Comments

This item is a mycoplasma free preparation derived from VR-583™ following treatment to remove mycoplasma. VR-583™ will no longer be distributed when current inventory is depleted. Strain DN-19 is considered to be an antigenic variant or "prime" of Human coxsackievirus A 24. It was originally known as Echovirus 34.

References

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

Key Abbreviations

C Celsius
CO_2 carbon dioxide
CPE cytopathic effects
EMEM Eagles minimum essential medium
FBS fetal bovine serum

© ATCC 2009. All rights reserved.
ATCC® is a registered trademark of the American Type Culture Collection.
07/2009 SS

Biosafety Level: 2

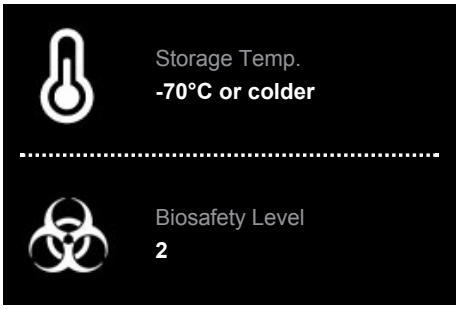
Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

Product Sheet

Human Coxsackievirus A 24 (ATCC® VR-1662™)

Please read this FIRST



Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Human Coxsackievirus A 24 (ATCC® VR-1662™)

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.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

© ATCC 2012. All rights reserved. ATCC is a registered trademark of the American Type Culture Collection. [10/25]

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor