ATCC

Product Sheet

PA317 LXSN (ATCC® CRL-2202™)

Please read this FIRST

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.

Complete Growth Medium

The base medium for this cell line is ATCC-formulated Dulbecco's Modified Eagle's Medium, Catalog No. 30-2002. To make the complete growth medium, add the following components to the base medium: fetal bovine serum to a final concentration of 10%.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: PA317 LXSN (ATCC® CRL-2202™)

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

Organism: *Mus musculus*, mouse
Strain: NIH/Swiss
Tissue: embryo
Disease: Leukemia
Age: embryo
Morphology: fibroblast
Growth Properties: adherent

Batch-Specific Information

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

SAFETY PRECAUTION

ATCC highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials 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 vessel exploding or blowing off its cap with dangerous force creating flying debris.

Unpacking & Storage Instructions

1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below -130°C, preferably in liquid nitrogen vapor, until ready for use.

Handling Procedure for Frozen Cells

Recommended Handling Upon Receipt: Initiate culture as soon as possible upon receipt. Thaw by rapid agitation in 37°C water bath. See instructions on back. Dilute ampule contents with culture medium (see batch data above).

Handling Procedure for Flask Cultures

Monolayer Cultures: The flask was seeded, see batch data above, and completely filled with medium to prevent loss of cells in transit. Aseptically remove all of the medium (which can be saved and used as fresh medium) except for a sufficient volume to cover the floor of the flask. Incubate the culture in a flat position at 37°C. The shipping medium contains reduced sodium bicarbonate suitable for a 5% CO_2 in air incubator. DMEM usually contains 3.7 grams of sodium bicarbonate per liter and should be incubated in a 10% CO_2 in air incubator. Sometimes in transit the cultures are handled roughly and most of the cells become detached and float in the culture medium. If this has occurred remove the entire contents of the flask and centrifuge at 300 x g for 15 minutes. Draw off the excess supernatant medium, resuspend the cell pellet in 10-12 ml of the shipping medium and plant the entire cell suspension in a single flask of suitable size (about 25 sq. cm.).

Subculturing Procedure

Subcultivation Ratio: A subcultivation ratio of 1:6 to 1:12 is recommended
Medium Renewal: Every 2 to 3 days
Remove medium, rinse flask with fresh 0.25% trypsin, 0.02% EDTA and remove trypsin, Add an additional 1 to 2 ml of trypsin solution, and allow the flask to sit at room temperature (or 37C) until the cells detach.
Add fresh medium, aspirate and dispense into new flasks.

Cryopreservation Medium

Culture medium, 95%; DMSO, 5%.

Comments

PA317 LXSN is a packaging cell line developed by transfection of the retrovirus vector pLXSN into the Psi-2 ecotropic packaging cell line.
Virions produced from the transfected Psi-2 cells were used to infect the amphotropic packaging line PA317, and infected cells were selected in medium containing G418.

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PA317 LXSN cells produce an amphoteric retrovirus with an empty neo control vector, 5' long terminal repeat (LTR) from the Moloney murine leukemia virus (MoMuLV) multiple cloning region and 3' LTR from MoMuLV. The vector also contains a gene controlling resistance to neomycin transcribed from the SV40 promoter. This line is useful as a negative control for the use of PA317 LXSN 16E6E7 (see ATCC CRL-2203).

References

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

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

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. 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 product. 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.
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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.

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