



Product Sheet

SCC-PSA1 (ATCC® CRL-1535™)

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.

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: SCC-PSA1 (ATCC® CRL-1535™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
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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: 129/Sv
Disease: pluripotent teratocarcinoma
Cell Type: fibroblast
Gender: male
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

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To insure the highest level of viability, thaw the vial and initiate the culture as soon as possible upon receipt. If upon arrival, continued storage of the frozen culture is necessary, it should be stored in liquid nitrogen vapor phase and not at -70°C. Storage at -70°C will result in loss of viability.

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Subculturing Procedure

Medium Renewal: Every 2 to 3 days

Remove medium, add fresh 0.25% trypsin, 0.02% EDTA solution to disperse the cells.

Dilute with fresh medium, centrifuge, and resuspend the cells in fresh medium.

Seed cultures with 8×10^4 cells/cm² in flasks with fibroblast feeder layers (e.g., MITC-STO cells, ATCC 56-X.2).

Subculture every 3 days to maintain in an undifferentiated proliferative state.

Cryopreservation Medium

Cryoprotectant Medium

Complete growth medium described above supplemented with 5% (v/v) DMSO. Cell culture tested DMSO is available as ATCC Catalog No. 4-X.

Comments

NOTE - NO LIVE CULTURES CAN BE SENT.

The cells can be maintained in an undifferentiated state by frequent subculture and the use of a fibroblast feeder cell layer (see ATCC CRL-1503).

In the absence of a feeder layer, the cells are encouraged to form aggregates which differentiate forming outer endodermal layers which encapsulate the aggregates.

Aggregates (embryoid bodies) can be encouraged to differentiate further by keeping them in suspension for 5 or more days.



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Collect the bodies from a bacteriological dish and plate them in fresh medium in a tissue culture dish without feeder layer or gelatin.

A somewhat variable percentage will attach.

Change the medium every 2 to 3 days.

Migration of the endodermal layer should begin within 24 to 36 hours after plating.

Do not dislodge cells when changing the medium.

The SCC-PSA1 line was isolated from secondary cultures of the OT/5568 transplantable tumor.

Tested and found negative for ectromelia virus (mousepox).



References

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



Biosafety Level: 1

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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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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