



Mammary Epithelial Cell Growth Kit

PCS-600-040™

Description

Mammary Epithelial Cell Growth Kit contains all components to be added to Mammary Epithelial Cell Basal Medium (ATCC PCS-600-030) to create a complete medium designed to support epithelial cells derived from a patient's breast. The Mammary Epithelial Cell growth kit contains rH-Insulin, L-Glutamine, Epinephrine, Apo-Transferrin, rH-TGF α , Extract P, and Hydrocortisone Hemisuccinate. To support the proliferation and plating efficiency of mammary epithelial cells ATCC PCS-600-010, all components from the Mammary Cell Growth Kit must be added to the Mammary Epithelial Cell Basal Medium (ATCC PCS-600-030).

ATCC's Human Mammary Epithelial Cells cultured in Mammary Epithelial Cell complete medium (basal medium plus growth kit) is an optimal serum-free culture model for many research areas. Common uses of HMEC include the study of breast cancer development, three-dimensional culture, and carcinogen screening.

Shipping information: 1 kit

Storage Conditions

Product format: Frozen

Storage conditions: -20°C or colder, -70°C for long-term storage

Intended Use

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

Biosafety Information

ATCC determined that a biosafety level is not applicable to this material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to complete your own risk assessment and understand any potential hazards associated with the material per your organization's policies and procedures and any other applicable regulations as enforced by your local or national agencies.

All tissues used for isolation are obtained under informed consent and conform to HIPAA regulations to protect the privacy of the donor's Personally Identifiable Information. It is best to use caution when handling any human cells. We recommend that all human cells be accorded the same level of biosafety consideration as cells known to carry Human immunodeficiency virus (HIV) and other bloodborne pathogens. With infectious virus assays or viral antigen assays, even a negative test result may not exclude the possibility of the existence of a latent viral genome or infectious viral particles below the lower limit of detection of that assay.

ATCC recommends that appropriate safety procedures be used when handling all primary cells and cell lines, especially those derived from human or other primate material. Handle as a potentially biohazardous material using universal precautions. Cells derived from primate lymphoid tissue may fall under the regulations of 29 CFR 1910.1030 Bloodborne Pathogens.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Handling Procedures

1. Obtain one growth kit from the freezer; make sure that the caps of all components are tight.
2. Thaw the components of the Mammary Epithelial Cell Growth Kit (PCS-600-040) just prior to adding them to the basal medium.
3. Obtain one bottle of Mammary Epithelial Cell Basal Medium (PCS-600-030, 485 mL) from cold storage.
4. Decontaminate the external surfaces of all growth kit component vials and the basal medium bottle by spraying them with 70% ethanol.
5. Using aseptic technique and working in a laminar flow hood or biosafety cabinet, transfer the indicated volume of each growth kit component to the bottle of basal medium using a separate sterile pipette for each transfer.

Component	Volume	Final Concentration
rH-Insulin	0.5 mL	5 µg/mL
L-Glutamine	15 mL	6 mM
Epinephrine	0.5 mL	1 µM
Apo-Transferrin	0.5 mL	5 µg/mL
rH-TGF-α	0.5 mL	0.5 ng/mL
ExtractP	2 mL	0.4%
Hydrocortisone Hemmisuccinate	0.5 mL	100 ng/mL

6. Tightly cap the bottle of complete growth medium and swirl the contents gently to assure a homogeneous solution. Do not shake forcefully to avoid

foaming. Label and date the bottle.

7. Complete media should be stored in the dark at 2°C to 8°C (do not freeze).

When stored under these conditions, complete media is stable for 30 days.

Quality Control Specifications

Bacterial and fungal testing: Not detected

Functional tests: Rate of proliferation and morphology

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Mammary Epithelial Cell Growth Kit (ATCC PCS-600-040)

References

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

Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid.

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