

HCC827 | 305041

General information

Description	HCC827 is a human lung adenocarcinoma cell line, established from a 45-year-old male patient with a primary lung adenocarcinoma. The cell line is characterized by its high growth rate and its ability to form colonies in soft agar. It is a highly tumorigenic cell line, capable of forming tumors in nude mice. The cell line is sensitive to cisplatin, paclitaxel, and gemtuzumab. It is a good model for studying the biology of lung adenocarcinoma and for testing new drugs.
Organism	Human
Tissue	Lung
Disease	Lung adenocarcinoma
Synonyms	HCC-827, HCC 827, HCC0827

Cell culture

Age	39 years
Gender	Male
Morphology	Epithelial
Growth properties	Adherent

Characterization

Citation	HCC827 (ATCC CCL-246) Cytion 305041
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_2063

Additional information

Notes

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Culture Medium

RPMI 1640, w: 2.0 mM CaCl_2 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)

Supplements

10% FBS

Dissociation Reagent

Trypsin

Subculturing

Cells are grown in RPMI 1640 medium supplemented with 10% FBS. For subculturing, cells are detached using Trypsin, washed with PBS, and resuspended in fresh medium. Cells are then seeded into new flasks at a density of 1-5 $\times 10^5$ cells per flask.

Fluid renewal

2-3 times per week

Freeze medium

Cells are grown in RPMI 1640 medium supplemented with 10% FBS. For freezing, cells are washed with PBS and resuspended in freezing medium (RPMI 1640 + 10% DMSO + 10% FBS).

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C.
2. Add 10 ml of RPMI 1640 medium to the vial and mix gently.
3. Seed cells into a T25 flask.
4. Allow cells to attach for 24 hours.
5. Add 10 ml of fresh RPMI 1640 medium.
6. Harvest cells after 48-72 hours.
7. Seed cells into a T25 flask.
8. Allow cells to attach for 24 hours.

Incubation Atmosphere

37°C, 5% CO_2

Flask Coating

Not required

Freezing Procedure

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**Shipping
Conditions**

Shipping conditions: The product is shipped in a dry ice container. The container must be kept closed and the dry ice must not be removed. The container must be kept at -78°C.

**Storage
Conditions**

Storage conditions: The product is stored at -150 to -196 °C. The storage container must be kept closed and the dry ice must not be removed.

Handling

Sterility

The product is sterile and can be used for PCR. The product is not intended for use in cell culture. The product is not intended for use in clinical applications. The product is not intended for use in diagnostic applications.