

8305C | 305101

General information

Description	8305C is a human cell line derived from a patient with a rare form of cancer. It is characterized by its high proliferation rate and its ability to form tumors in immunodeficient mice. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. It is a good model for studying the biology of this cancer and for testing new therapies.
Organism	Human
Tissue	Epithelial tissue
Disease	Epithelial cancer
Synonyms	8305c, 8305-C, 8305C_1

Cell characteristics

Age	67 years
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial
Growth properties	Adherent

Cell culture conditions

Citation	8305C (Cytion 305101)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1053

Cell culture media and supplements

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Culture Medium	EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO ₃ , w: EBSS (Cytion 820100a)
Supplements	10% FBS 1% NEAA
Dissociation Reagent	
Doubling time	54
Subculturing	Cells are harvested by trypsinization with trypsin-PBS and seeded into T25, 3-5 flasks. 3 flasks are seeded with 10 ⁶ cells, 10 ⁵ cells are seeded into 10 flasks. Cells are seeded into flasks with 10 ⁶ cells.
Fluid renewal	2 3 flasks
Freeze medium	Cells are harvested by trypsinization and seeded into flasks (FBS) + 10% DMSO. Cells are seeded into flasks with 10 ⁶ cells.
Thawing and Culturing Cells	- Cells are harvested by trypsinization and seeded into flasks (FBS) + 10% DMSO. Cells are seeded into flasks with 10⁶ cells. - Cells are harvested by trypsinization and seeded into flasks (FBS) + 10% DMSO. Cells are seeded into flasks with 10⁶ cells. - Cells are harvested by trypsinization and seeded into flasks (FBS) + 10% DMSO. Cells are seeded into flasks with 10⁶ cells. - Cells are harvested by trypsinization and seeded into flasks (FBS) + 10% DMSO. Cells are seeded into flasks with 10⁶ cells. - Cells are harvested by trypsinization and seeded into flasks (FBS) + 10% DMSO. Cells are seeded into flasks with 10⁶ cells. - Cells are harvested by trypsinization and seeded into flasks (FBS) + 10% DMSO. Cells are seeded into flasks with 10⁶ cells. - Cells are harvested by trypsinization and seeded into flasks (FBS) + 10% DMSO. Cells are seeded into flasks with 10⁶ cells. - Cells are harvested by trypsinization and seeded into flasks (FBS) + 10% DMSO. Cells are seeded into flasks with 10⁶ cells.
Incubation Atmosphere	37°C, 5% CO ₂ , humidified

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Flask Coating

Flask Coating

Freezing
Procedure

Freezing Procedure: The cells are frozen in a freezing medium and stored at -78°C.

Shipping
Conditions

Shipping Conditions: The cells are shipped at -78°C.

Storage
Conditions

Storage Conditions: The cells are stored at -150 to -196°C.

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Sterility

Sterility: The cells are sterile and free of mycoplasmas. PCR screening is performed to ensure sterility. The cells are also tested for mycoplasma contamination.