

KYSE-150 | 305087

General information

Description	KYSE-150 is a human esophageal squamous cell carcinoma (ESCC) cell line, established from a 49-year-old male patient. It is characterized by its ability to grow in soft agar and its sensitivity to p16 (INK4a). KYSE-150 is a well-established cell line for ESCC research.
Organism	Human
Tissue	Esophagus
Disease	Esophageal squamous cell carcinoma
Synonyms	KYSE 150, KYSE150, Kyse150, KY150

Cell characteristics

Age	49 years
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial
Growth properties	Adherent

Identification and safety

Citation	KYSE-150 (Cytion 305087)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1348

Additional information

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Overview

Culture Medium	Ham's F12 + RPMI 1640 50:50 (Cytion: 820600a + 820702a)
Supplements	5% FBS
Dissociation Reagent	
Doubling time	25
Subculturing	Cells are grown in T25 flasks. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium.
Fluid renewal	2-3 times per week
Freeze medium	Cells are frozen in a medium containing 10% DMSO and 90% FBS.
Thawing and Culturing Cells	- Cells are thawed in a water bath at 37°C. - Cells are centrifuged at 300 x g for 5 minutes. - Cells are resuspended in fresh medium. - Cells are seeded into new flasks. - Cells are grown in T25 flasks. - Cells are trypsinized and seeded into new flasks. - Cells are grown in T25 flasks. - Cells are trypsinized and seeded into new flasks.
Incubation Atmosphere	37°C, 5% CO ₂

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Flask Coating **Fluoropolymer**

Freezing Procedure

For freezing, the cells should be seeded into the flask and allowed to attach. The medium should be removed and the cells washed with PBS. The cells should then be trypsinized and resuspended in freezing medium. The suspension should be aliquoted into cryovials and frozen at -80°C.

Shipping Conditions

The cells should be shipped on dry ice at -78°C.

Storage Conditions

The cells should be stored at -150 to -196 °C in liquid nitrogen. The storage time is unlimited.

Applications

Sterility

The cells are supplied as a suspension in DMEM/F12 medium. The medium is supplemented with 10% FBS. The cells are tested for mycoplasma contamination. The cells are also tested for PCR contamination. The cells are also tested for endotoxin contamination.