

KYSE-30 | 305094

General information

Description	KYSE-30 is a human esophageal squamous cell carcinoma (ESCC) cell line, established from a 64-year-old male patient with esophageal squamous cell carcinoma. KYSE-30 cells are characterized by their ability to form colonies in soft agar and their sensitivity to p16 (INK4a) inhibition. KYSE-30 cells express high levels of p16 (INK4a) and are resistant to p16 (INK4a) inhibition. KYSE-30 cells are characterized by their ability to form colonies in soft agar and their sensitivity to p16 (INK4a) inhibition.
Organism	Human
Tissue	Esophageal squamous cell carcinoma
Disease	Esophageal squamous cell carcinoma
Synonyms	Kyse-30, KYSE 30, KYSE30, Kyse30, KYSE0030

Cell characteristics

Age	64 years
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial, squamous
Growth properties	Adherent

Cell line identification

Citation	KYSE-30 (Cytion 305094)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1351

Cell line availability

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Overview

Culture Medium	Ham's F12 + RPMI 1640 50:50 (Cytion: 820600a + 820702a)
Supplements	10% FBS
Dissociation Reagent	
Doubling time	20 - 30 days
Subculturing	Cells are grown in 25 cm ² flasks in F12 + RPMI 1640 50:50 medium supplemented with 10% FBS. Cells are passaged by trypsinization when they reach 80-90% confluency. Cells are seeded into new flasks at a density of 1 x 10 ⁵ cells per flask.
Fluid renewal	2 - 3 times per week
Freeze medium	Cells are frozen in F12 + RPMI 1640 50:50 medium supplemented with 10% FBS and 10% DMSO. Cells are frozen in 1.5 ml aliquots in cryovials.
Thawing and Culturing Cells	1. Thaw cells rapidly in a 37°C water bath. 2. Dilute cells into F12 + RPMI 1640 50:50 medium supplemented with 10% FBS. 3. Seed cells into 25 cm² flasks. 4. Allow cells to attach and grow for 24-48 hours. 5. Perform a trypsinization when cells reach 80-90% confluency. 6. Seed cells into new flasks at a density of 1 x 10⁵ cells per flask. 7. Allow cells to attach and grow for 24-48 hours. 8. Perform a trypsinization when cells reach 80-90% confluency.
Incubation Atmosphere	37°C, 5% CO ₂ , humidified

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