

Product sheet

KYSE-30 | 305094

General Information

Description	KYSE-30 is a cell line derived from a patient with esophageal squamous cell carcinoma (ESCC). It is a highly proliferative cell line that is suitable for in vitro studies. KYSE-30 cells are characterized by their ability to form colonies in soft agar and their sensitivity to various chemotherapeutic agents. KYSE-30 cells are derived from a patient with esophageal squamous cell carcinoma (ESCC). KYSE-30 cells are characterized by their ability to form colonies in soft agar and their sensitivity to various chemotherapeutic agents.
Organism	Human
Tissue	Esophagus
Disease	Esophageal squamous cell carcinoma
Synonyms	KYSE-30, KYSE-30, KYSE-30, KYSE-30, KYSE-30, KYSE-0030, KYSE-0030

Characteristics

Age	64 years
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial cells, forming colonies in soft agar
Growth properties	Adherent

References and Safety

Citation	KYSE-30 (ATCC CCL-1351) (305094)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1351

Additional Information

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Cell Line

Culture Medium DMEM F12 RPMI 1640 50:50 (GlutaMAX 820600a 820702a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Doubling time 20-30 days

Subculturing 1:2 to 1:10 in DMEM F12 RPMI 1640 50:50 (GlutaMAX 820600a 820702a) + 10% FBS

Fluid renewal 2-3 times per week

Freeze medium DMEM F12 RPMI 1640 50:50 (GlutaMAX 820600a 820702a) + 10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a 37°C water bath.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Wash cells three times with DMEM F12 RPMI 1640 50:50 (GlutaMAX 820600a 820702a) + 10% FBS.
4. Resuspend cells in DMEM F12 RPMI 1640 50:50 (GlutaMAX 820600a 820702a) + 10% FBS.
5. Seed cells into a T75 flask at a density of 1.5 x 10⁶ cells per flask.
6. Incubate cells in a humidified 5% CO₂ atmosphere at 37°C.
7. Monitor cell growth and confluency.
8. Harvest cells when they reach 70-80% confluency.

Incubation Atmosphere 37°C, 5% CO₂

