

KYSE-410 | 305122

General information

Description	KYSE-410 is a human esophageal squamous cell carcinoma (ESCC) cell line, established from a 51-year-old male patient. It is characterized by high tumorigenicity, growth in soft agar, and the ability to form xenografts in immunodeficient mice. KYSE-410 cells are negative for p16 (INK4a) and CpG 5' methylation. KYSE-410 cells are highly tumorigenic, forming xenografts in immunodeficient mice. KYSE-410 cells are highly tumorigenic, forming xenografts in immunodeficient mice.
Organism	Human
Tissue	Esophagus
Disease	Esophageal squamous cell carcinoma
Synonyms	KYSE 410, KYSE410, Kyse410, KYSE0410

Cell characteristics

Age	51 years
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial
Growth properties	Adherent

Cell line identification

Citation	KYSE-410 (Cytion 305122)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1352

Cell line availability

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Culture Medium	RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO ₃ (100% β -mercaptoethanol β -Cytion 820700a)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Doubling time	32-45 hours
Subculturing	Cells are grown in 25 cm ² flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach confluence, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium containing 10% FBS. Cells are typically passaged every 2-3 weeks.
Seeding density	1-3*10 ⁴ /cm ²
Fluid renewal	2-3 times per week

Thawing and Culturing Cells

1. 取出冻存管，将冻存管放入37℃水浴中快速解冻，取出后立即放入冰浴中冷却，离心（1000g，5min），弃去上清液，加入1ml新鲜培养基，重悬细胞，接种到预铺好的细胞培养瓶中。
2. 将细胞培养瓶放入37℃ CO₂培养箱中培养，待细胞贴壁后，更换新鲜培养基。
3. 待细胞贴壁后，将细胞培养瓶放入37℃ CO₂培养箱中培养，待细胞贴壁后，更换新鲜培养基。
4. 待细胞贴壁后，将细胞培养瓶放入37℃ CO₂培养箱中培养，待细胞贴壁后，更换新鲜培养基。
5. 待细胞贴壁后，将细胞培养瓶放入37℃ CO₂培养箱中培养，待细胞贴壁后，更换新鲜培养基。
6. 待细胞贴壁后，将细胞培养瓶放入37℃ CO₂培养箱中培养，待细胞贴壁后，更换新鲜培养基。
7. 待细胞贴壁后，将细胞培养瓶放入37℃ CO₂培养箱中培养，待细胞贴壁后，更换新鲜培养基。
8. 待细胞贴壁后，将细胞培养瓶放入37℃ CO₂培养箱中培养，待细胞贴壁后，更换新鲜培养基。

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Incubation Atmosphere 37°C, 5% CO₂,

Flask Coating

Freezing Procedure

Shipping Conditions                             

Storage Conditions XXXXXXXX XXXXXXXX XXXXX, XX XXXXXXXX XX XXXXXXXXXXXXXXX XXXXXXX XXXXXXX XXXXX XX XXXX XXXXXXXXXXXXXXX XX 0-150 XX 196 XXXXXXX XXXXXXXXXX XXXXXXX XXXXXXX

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