

Product sheet

HSC-3 | 305312

General Information

Description HSC-3 (OSCC) is a cell line derived from a patient with oral squamous cell carcinoma. It is characterized by its ability to grow in soft agar and its tumorigenicity in nude mice. HSC-3 cells are highly invasive and metastatic, forming nodules in the lungs of recipient mice. HSC-3 cells are also known for their ability to form organoids in vitro.

Organism Human

Tissue Oral cavity

Disease Oral squamous cell carcinoma

Metastatic site Lung

Synonyms HSC 3, HSC3

Characteristics

Age 64 years

Gender Male

Ethnicity Chinese

Growth properties Adherent, tumorigenic

References

Citation HSC-3 (ATCC CCL-137) (305312)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1288

Additional Information

Product sheet

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Mutational profile CDKN2A, p.Glu120Ter (c.358G>T) TP53, p.Lys545Gly (c.228C>T) TP53, p.Lys305fs (c.912_913insTAAG) PIK3CA, p.Glu545Gly (c.1634A>G) PIK3CA, p.Glu1-124C>T (c.228C>T)

Characteristics

Culture Medium EMEM (MEM Eagle) 2 mM L-Glutamine, 2.2 mM NaHCO₃ EBSS (820100a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing 1:3

Freeze medium FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath.
2. Add 10 ml of complete medium to the cells.
3. Incubate cells for 37 hours.
4. Seed cells into a 70% confluent well.
5. Incubate cells for 15 days.
6. Seed cells into a 300 x 3 mm well.
7. Incubate cells for 10 days.
8. Harvest cells.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

