

HNO97 | 300129

Description
 HNO97 is a cell line derived from a patient with head and neck squamous cell carcinoma (HNSCC). It is a highly tumorigenic cell line that grows in soft agar and is capable of forming xenografts in immunodeficient mice. HNO97 cells are characterized by their high proliferation rate and their ability to form large, solid tumors in mice. HNO97 cells are highly tumorigenic and are capable of forming xenografts in immunodeficient mice. HNO97 cells are highly tumorigenic and are capable of forming xenografts in immunodeficient mice.

Organism Human

Tissue Head and neck squamous cell carcinoma

Disease Head and neck squamous cell carcinoma (HNSCC)

Synonyms HNO 97

Age 72 years

Gender Male

Ethnicity Chinese

Morphology Epithelial

Growth properties High tumorigenicity, forms xenografts in immunodeficient mice.

Citation HNO97 (ATCC CCL-227) (300129)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_D227

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Culture Medium DMEM 4.5 g/l, Glucose 4 g/l, NaHCO₃ 1.0 g/l, Penicillin 100 IU/ml, Streptomycin 100 µg/ml, Fungizone 0.025 µg/ml (8200)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are seeded into fresh medium containing 10% FBS.

Fluid renewal 2-3 times per week

Freeze medium DMEM + 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Centrifuge cells at 300 x g for 3 minutes.
 3. Wash cells with PBS.
 4. Resuspend cells in fresh medium containing 10% FBS.
 5. Seed cells into a 15 cm² tissue culture flask.
 6. Incubate cells at 37°C in 5% CO₂.
 7. Monitor cell growth and confluency.
 8. Harvest cells when they reach 70-80% confluency.

Incubation Atmosphere 37°C, 5% CO₂

