

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 suspension and adherent culture. HNO97 cells are characterized by their high proliferation rate and ability to form xenografts in immunodeficient mice. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml hydrocortisone. HNO97 cells are highly tumorigenic and form xenografts in immunodeficient mice. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml hydrocortisone.

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 Caucasian

Morphology Epithelial cells

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, Fungicide 0.05 µg/ml (820)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are harvested by trypsinization and resuspended in PBS.

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. Dilute cells into fresh medium.
 3. Seed cells into a 24-well plate.
 4. Incubate cells for 70% confluency.
 5. Harvest cells after 15-18 days.
 6. Seed cells into 300 µl wells.
 7. Incubate cells for 10 days.
 8. Harvest cells.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating None

