

**HNO97 | 300129**

**General Information**

<b>Description</b>	HNO97 is a human cell line derived from a patient with head and neck squamous cell carcinoma (HNSCC). It is a highly proliferative cell line that is sensitive to cisplatin and paclitaxel. HNO97 cells are used for studying the effects of these drugs on HNSCC cells.
<b>Organism</b>	Human
<b>Tissue</b>	Head and neck squamous cell carcinoma
<b>Disease</b>	Head and neck squamous cell carcinoma (HNSCC)
<b>Synonyms</b>	HNO 97

**Cell Culture**

<b>Age</b>	72 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Morphology</b>	Epithelial cells
<b>Growth properties</b>	Adherent, clonal

**References and Safety**

<b>Citation</b>	HNO97 (ATCC CCL-227) Cytion 300129
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_D227

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**Culture Medium** DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO3, w: 1.0 mM beta-mercaptoethanol (Cytion 820300a)

**Supplements** 10% FBS

**Dissociation Reagent** Trypsin

**Subculturing** Seed cells into 25 cm<sup>2</sup> flasks with 10 ml DMEM + 10% FBS. When cells reach 70-80% confluency, trypsinize and seed into new flasks.

**Fluid renewal** 2-3 times per week

**Freeze medium** DMEM + 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw vials in a 37°C water bath.
  2. Centrifuge at 300 x g for 3 minutes.
  3. Resuspend cells in 10 ml DMEM + 10% FBS.
  4. Seed cells into a 25 cm<sup>2</sup> flask.
  5. Incubate at 37°C, 5% CO<sub>2</sub>.
  6. Monitor cell growth and confluency.
  7. Perform subculturing when cells reach 70-80% confluency.
  8. Harvest cells for downstream applications.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>

