

## HNO258 | 300146

**Description** HNO258 is a cell line derived from a patient with head and neck squamous cell carcinoma (HNSCC). The cell line is characterized by a karyotype of 46,XX,der(11)t(11q13;q15)11q13,der(4)t(4p18;q12)4p18q12-qter. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 10% human platelet-derived growth factor (hPDGF). The cell line is highly tumorigenic and forms large, invasive tumors in nude mice. The cell line is a valuable tool for studying the biology of HNSCC and for testing new therapies.

**Organism** Human

**Tissue** Head and neck squamous cell carcinoma

**Disease** Head and neck squamous cell carcinoma (HNSCC)

**Age** 62 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Epithelial

**Growth properties** Adherent

**Citation** HNO258 (ATCC CCL-300146)

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_D221

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<b>Culture Medium</b>	DMEM 4.5 g/l, Glucose 4 g/l, NaHCO3 1.0 g/l, Penicillin 100 U/ml, Streptomycin 100 U/ml, Fungizone 0.025 mg/ml (8000 units/ml)
<b>Supplements</b>	10% FBS
<b>Dissociation Reagent</b>	Trypsin
<b>Subculturing</b>	Cells are harvested by trypsinization and resuspended in PBS containing penicillin, streptomycin, and fungizone.
<b>Fluid renewal</b>	2-3 times per week
<b>Freeze medium</b>	DMEM + 10% FBS + 10% DMSO
<b>Thawing and Culturing Cells</b>	<ol style="list-style-type: none"><li>1. Thaw cells rapidly in a 37°C water bath.</li><li>2. Dilute cells into fresh culture medium.</li><li>3. Seed cells into a T25 flask.</li><li>4. Incubate cells until they reach 70% confluency.</li><li>5. Harvest cells by trypsinization.</li><li>6. Seed cells into a 300 cm<sup>2</sup> flask.</li><li>7. Incubate cells until they reach 10% confluency.</li><li>8. Harvest cells by trypsinization.</li></ol>
<b>Incubation Atmosphere</b>	37°C, 5% CO <sub>2</sub>
<b>Flask Coating</b>	Cells are adherent to plastic.
<b>Freezing Procedure</b>	Cells are frozen in a controlled rate freezer at -1°C/min to -78°C.

