

## HNO210 | 300134

**Description**

HNO210 is a cell line derived from a patient with head and neck squamous cell carcinoma (HNSCC). The cell line is characterized by its high growth rate and its ability to form colonies in soft agar. It is a highly tumorigenic cell line that is suitable for various in vitro and in vivo studies. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 100 ng/ml hydrocortisone. The cell line is characterized by its high growth rate and its ability to form colonies in soft agar. It is a highly tumorigenic cell line that is suitable for various in vitro and in vivo studies. 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)

**Age** 69 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Epithelial

**Growth properties** High growth rate, forms colonies in soft agar

**Citation** HNO210 (ATCC CCL-300134)

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_D215

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**Culture Medium** DMEM 4.5 g/l, Glucose 4.5 g/l, L-Glutamine 3.7 g/l, NaHCO3 1.0 g/l, Penicillin (100 U/ml), Streptomycin (100 U/ml), Fungizone (0.25 µg/ml)

**Supplements** 10% FBS

**Dissociation Reagent** Trypsin

**Subculturing** Wash cells with PBS, add trypsin, incubate, add media to stop reaction, resuspend cells.

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

**Freeze medium** Serum-free medium (DMEM + 10% DMSO) + 10% FBS

- Thawing and Culturing Cells**
1. Thaw vials in a 37°C water bath.
  2. Dilute cells into pre-warmed medium.
  3. Seed cells into a 25 cm<sup>2</sup> flask.
  4. Incubate at 37°C, 5% CO<sub>2</sub>.
  5. Monitor cell growth.
  6. Split cells when 70-80% confluent.
  7. Use cells for experiments.
  8. Store cells in liquid nitrogen.

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

**Flask Coating** None

