

HNO210 | 300134

Description

HNO210 is a cell line derived from a 69-year-old male patient with head and neck squamous cell carcinoma (HNSCC). The cell line is established from a primary tumor and is characterized by its morphology and growth properties. It is a highly proliferative cell line that grows in suspension culture. 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 morphology and growth properties. It is a highly proliferative cell line that grows in suspension culture. 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 proliferation rate, grows in suspension culture

Citation HNO210 (Cell Line) | 300134

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_D215

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Culture Medium DMEM 4.5 g/l, Glucose 4 g/l, Sodium Pyruvate 3.7 g/l, NaHCO₃ 1.0 g/l, Penicillin (100 IU/ml), Streptomycin (82 IU/ml)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are harvested by trypsinization and resuspended in PBS. Cells are then seeded into new flasks.

Fluid renewal 2-3 times per week

Freeze medium Cells are resuspended in DMEM (10% FBS) + 10% DMSO and frozen in liquid nitrogen.

- Thawing and Culturing Cells**
1. Thaw cells rapidly in a 37°C water bath.
 2. Dilute cells into DMEM + 10% FBS.
 3. Seed cells into a flask.
 4. Incubate cells at 37°C in 5% CO₂.
 5. Monitor cell growth.
 6. Harvest cells when 70-80% confluent.
 7. Wash cells with PBS.
 8. Harvest cells by trypsinization.

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating Cells are seeded into flasks coated with poly-L-lysine.

