

Product sheet

**HCC4006 | 305785**

**General information**

**Description** HCC4006 is a cell line derived from a primary lung adenocarcinoma (NSCLC) with a wild-type EGFR. The cell line is characterized by a high level of EGFR expression and is used for studying the effects of EGFR inhibitors. HCC4006 is a cell line derived from a primary lung adenocarcinoma (NSCLC), which is characterized by a high level of EGFR expression. HCC4006 is a cell line derived from a primary lung adenocarcinoma (NSCLC), which is characterized by a high level of EGFR expression.

**Organism** Human

**Tissue** Lung

**Disease** Lung adenocarcinoma

**Metastatic site** Lung

**Synonyms** HCC-4006, HCC4006

**Characteristics**

**Age** >50 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Epithelial

**Cell type** Adenocarcinoma

**Growth properties** Adherent

**References**

**Citation** HCC4006 (ATCC CCL-221) | Cytion 305785

**Biosafety level** 1

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**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_1269

**Cell Line Characteristics**

**Mutational profile** EGFR, p.Leu747\_Glu749del (c.2239\_2247delTAAGAGAA), TP53 (ATCC=CRL-2871, TP53, p.Tyr203), p.Tyr203 (DepMap=ACH-000066).

**Cell Line Origin**

**Culture Medium** RPMI 1640, w: 2.0 mM Glucose, w: 2.0 g/L NaHCO3 (Cytion 820700a)

**Supplements** 10% FBS

**Dissociation Reagent**

**Doubling time** 46

**Fluid renewal** 2-3

**Freeze medium** FBS + 10% DMSO

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**Thawing and Culturing Cells**

1. Remove the vial from liquid nitrogen storage and allow it to warm to room temperature. Do not shake the vial. Transfer the cells to a 15 mL centrifuge tube.
2. Add 10 mL of pre-warmed DMEM supplemented with 10% FBS to the vial. Centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 10 mL of pre-warmed DMEM supplemented with 10% FBS.
3. Seed the cells into a 75 cm<sup>2</sup> flask containing 37 mL of pre-warmed DMEM supplemented with 10% FBS.
4. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach 70% confluency.
5. Harvest the cells by trypsinization. Seed 15 x 10<sup>6</sup> cells into 8 x 10<sup>6</sup> cells per flask.
6. Harvest the cells by trypsinization. Seed 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 300 x g for 3 minutes.
7. Harvest the cells by trypsinization. Seed 10 x 10<sup>6</sup> cells into 10 x 10<sup>6</sup> cells per flask. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach 70% confluency.
8. Harvest the cells by trypsinization. Seed 10 x 10<sup>6</sup> cells into 10 x 10<sup>6</sup> cells per flask. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach 70% confluency.

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

**Flask Coating** Poly-D-Lysine, Poly-D-Lysine

**Freezing Procedure** Harvest cells by trypsinization. Seed 10 x 10<sup>6</sup> cells into 10 x 10<sup>6</sup> cells per flask. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach 70% confluency.

**Shipping Conditions** Harvest cells by trypsinization. Seed 10 x 10<sup>6</sup> cells into 10 x 10<sup>6</sup> cells per flask. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach 70% confluency.

**Storage Conditions** Harvest cells by trypsinization. Seed 10 x 10<sup>6</sup> cells into 10 x 10<sup>6</sup> cells per flask. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach 70% confluency.

**HEK293T HCC4006 / HEK293T HCC4006 / HLA**

**Sterility** Harvest cells by trypsinization. Seed 10 x 10<sup>6</sup> cells into 10 x 10<sup>6</sup> cells per flask. Incubate the cells at 37°C in 5% CO<sub>2</sub> until they reach 70% confluency.