

Product sheet

Calu-6 | 300135

Cell Line

**Description** Calu-6 (NSCLC) cell line derived from a 61-year-old male patient with metastatic non-small cell lung cancer (NSCLC). The cell line is characterized by the presence of KRAS, EGFR, and HER2/3 mutations. It is a highly proliferative cell line that is sensitive to cisplatin and paclitaxel.

**Organism** Human

**Tissue** Lung

**Disease** Non-small cell lung cancer

**Metastatic site** Brain, Bone, Liver, Lung

**Synonyms** CaLu-6, CALU-6, Calu.6, Calu 6, Calu6, CALU6, CaLu-06

Cell Line Characteristics

**Age** 61 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Epithelial

**Growth properties** Adherent

Cell Line Identification

**Citation** Calu-6 (Cell Line) Cytion 300135

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_0236



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**Thawing and Culturing Cells**

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to warm to room temperature. Immediately transfer the cells to a pre-warmed T25 flask containing 10 ml of complete DMEM medium.
2. Incubate the cells at 37°C in 5% CO<sub>2</sub> for 24 hours to allow the cells to attach to the flask.
3. After 24 hours, check for cell attachment. If cells are not attached, gently rock the flask and check again after 24 hours.
4. Once cells are attached, replace the medium with fresh complete DMEM medium.
5. After 24 hours, check for cell attachment. If cells are not attached, gently rock the flask and check again after 24 hours.
6. Once cells are attached, replace the medium with fresh complete DMEM medium.
7. After 24 hours, check for cell attachment. If cells are not attached, gently rock the flask and check again after 24 hours.
8. Once cells are attached, replace the medium with fresh complete DMEM medium.

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

**Flask Coating** Not required

**Freezing Procedure** Harvest cells into a 15 ml centrifuge tube. Wash cells with PBS. Add 1 ml of freezing medium. Resuspend cells in 1 ml of freezing medium. Aliquot into 1 ml vials. Freeze at -80°C.

**Shipping Conditions** Ship at -80°C

**Storage Conditions** Store at -150°C for up to 196 months

Genotype / HLA

**Sterility** The cells are certified to be free of mycoplasmas and PCR detectable agents.

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**HLA**

**A\*:** 01:01:01

**B\*:** 08:01:01

**C\*:** 07:01:01

**DRB1\*:** 03:01:01

**DQA1\*:** 05:01:01

**DQB1\*:** 02:01:01

**DPB1\*:** 02:01:02

**E:** 01:01:01