

# Product sheet

## Calu-6 | 300135

### General information

<b>Description</b>	Calu-6 (NSCLC) cell line derived from a 61-year-old male patient with metastatic lung adenocarcinoma. The cell line is characterized by the presence of KRAS, EGFR, and ALK mutations.
<b>Organism</b>	Human
<b>Tissue</b>	Lung
<b>Disease</b>	Non-small cell lung cancer (NSCLC)
<b>Metastatic site</b>	Metastatic
<b>Synonyms</b>	CaLu-6, CALU-6, Calu.6, Calu 6, Calu6, CALU6, CaLu-06

### Cell characteristics

<b>Age</b>	61 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Morphology</b>	Epithelial
<b>Growth properties</b>	Adherent

### Identification and safety

<b>Citation</b>	Calu-6 (ATCC CCL-221)   Cytion 300135
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	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 reach room temperature. Transfer the cells to a pre-warmed cell culture flask containing 10 mL of complete medium.
2. Allow the cells to settle for 15 minutes at 37°C. Add 100 µL of penicillin-streptomycin (PS) solution to the flask.
3. Incubate the cells in a humidified CO<sub>2</sub> incubator at 37°C and 5% CO<sub>2</sub> for 24 hours.
4. After 24 hours, remove the PS solution and replace it with 10 mL of complete medium.
5. Once the cells have adhered, they can be passaged. Seed 15 x 10<sup>6</sup> cells into 8 x 10<sup>6</sup> cells per flask.
6. Harvest the cells by centrifugation at 300 x g for 3 minutes. Wash the cells with PBS and resuspend in 1 mL of PBS.
7. Count the cells using a hemacytometer or a cell counter. Seed 10 x 10<sup>6</sup> cells into a flask containing 10 mL of complete medium.
8. Store the remaining cells in a cryovial containing 1 mL of freezing medium. Store at -80°C.

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

**Flask Coating** No

**Freezing Procedure** Freeze cells in a freezing medium and store at -80°C.

**Shipping Conditions** Store at -80°C.

**Storage Conditions** Store at -150 °C for 196 days.

**Genotype / HLA**

**Sterility** The cells are free of mycoplasmas and PCR confirmed for the absence of mycoplasmas.

The cells are free of endotoxins, mycoplasmas and viruses.

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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