

Product sheet

LC-540 | 500262

LC-540

**Description**

LC-540 is a cell line derived from the human lung cancer cell line H1975. It is a highly proliferative cell line that is sensitive to EGFR inhibitors. LC-540 cells are used for studying the effects of EGFR inhibitors in lung cancer. LC-540 cells are characterized by their high proliferation rate and their sensitivity to EGFR inhibitors. LC-540 cells are used for studying the effects of EGFR inhibitors in lung cancer.

**Organism** Human

**Tissue** Lung

**Disease** Lung cancer

**Synonyms** LC540, LC 540

LC-540

**Breed/Subspecies** Human

**Age** Adult

**Gender** Male

**Cell type** Epithelial

**Growth properties** Adherent

LC-540

**Citation** LC-540 (ATCC CCL-540) (500262)

**Biosafety level** 1

**NCBI\_TaxID** 10116

**CellosaurusAccession** CVCL\_3536

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### Thawing and Culturing Cells

1. Thaw the cells rapidly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in pre-warmed medium.
3. Seed the cells into a flask containing 15 ml of pre-warmed medium. The cells should reach 70% confluency within 8 days.
4. Harvest the cells after 10 days. The cells should be at 80-90% confluency.
5. Harvest the cells after 10 days. The cells should be at 80-90% confluency.
6. Harvest the cells after 10 days. The cells should be at 80-90% confluency.
7. Harvest the cells after 10 days. The cells should be at 80-90% confluency.
8. Harvest the cells after 10 days. The cells should be at 80-90% confluency.

### Incubation Atmosphere

37°C, 5% CO<sub>2</sub>

### Flask Coating

Flask coating is not required for this cell line.

### Freezing Procedure

Freeze the cells in a freezing medium containing 10% FBS and 10% DMSO. Store at -80°C.

### Shipping Conditions

Ship the cells at 4°C. Do not freeze during shipping.

### Storage Conditions

Store the cells at -150°C to -196°C in liquid nitrogen.

HLA typing: HLA-A\*01:01, HLA-B\*07:01, HLA-C\*07:02, HLA-DQA1\*01:01, HLA-DQB1\*06:01

### Sterility

The cells are free of mycoplasmas and other contaminants. PCR testing confirmed the absence of mycoplasmas.