

Product sheet

LC-540 | 500262

LC-540

Description
LC-540 is a cell line derived from the human neuroblastoma cell line SKNSH. It is a neuroblastoma cell line that is highly tumorigenic and is used for the study of neuroblastoma. LC-540 cells are characterized by their ability to form neuroblastoma xenografts in immunodeficient mice. LC-540 cells are also used for the study of neuroblastoma drug resistance and for the development of neuroblastoma vaccines.

Organism Human

Tissue Neuroblastoma

Disease Neuroblastoma

Synonyms LC540, LC 540

LC-540

Breed/Subspecies Human

Age Adult

Gender Male

Cell type Neuroblastoma

Growth properties Adherent

LC-540

Citation LC-540 (Cytion 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. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours to allow the cells to attach.
3. After 24 hours, check the cells for attachment. If the cells have not attached, try increasing the seeding density or the volume of the medium.
4. Once the cells are attached, replace the medium with fresh pre-warmed medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours.
5. After 24 hours, check the cells for attachment. If the cells have not attached, try increasing the seeding density or the volume of the medium.
6. Once the cells are attached, replace the medium with fresh pre-warmed medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours.
7. After 24 hours, check the cells for attachment. If the cells have not attached, try increasing the seeding density or the volume of the medium.
8. Once the cells are attached, replace the medium with fresh pre-warmed medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium, 10 minutes

Freezing Procedure Seed cells into a pre-warmed medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours. Harvest the cells and resuspend them in a freezing medium. Freeze the cells at -80°C.

Shipping Conditions Store the cells at -80°C. Ship the cells in a dry ice container.

Storage Conditions Store the cells at -150°C for up to 196 months.

HLA

Sterility The cells are free of mycoplasmas and other contaminants. The cells are also free of PCR inhibitors.