

Cell Line | 300110

General Information

Description 54
 Cell line A375, derived from a melanoma patient, established in 1978. A375 is a highly metastatic melanoma cell line that grows as a monolayer in culture. It is characterized by its ability to form large, invasive melanoma nodules in nude mice. A375 is a highly metastatic melanoma cell line that grows as a monolayer in culture. It is characterized by its ability to form large, invasive melanoma nodules in nude mice. A375 is a highly metastatic melanoma cell line that grows as a monolayer in culture. It is characterized by its ability to form large, invasive melanoma nodules in nude mice.

Organism Human

Tissue Melanoma

Disease Melanoma

Synonyms A 375, A-375, A375-MEL, A375-mel, A375mel

Characteristics

Age 54 years

Gender Male

Morphology Epithelial

Growth properties Adherent

References

Citation A375 (ATCC CCL-137) | Cytion 300110

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_0132

Additional Information

CellA375 | 300110

Thawing and Culturing Cells

1. Thaw the vial quickly in a water bath at 37°C. Do not shake the vial. Remove the vial from the water bath and centrifuge at 300 x g for 3 minutes. Discard the supernatant and resuspend the cells in 10 ml of complete medium. Seed the cells into a T25 flask.
2. Incubate the cells in a humidified CO₂ incubator at 37°C and 5% CO₂. Monitor the cells daily under a microscope. When the cells reach 70-80% confluency, passage them into a new flask.
3. For passage, trypsinize the cells and resuspend them in 1 ml of complete medium. Seed the cells into a new T25 flask with 10 ml of complete medium.
4. Incubate the cells in a humidified CO₂ incubator at 37°C and 5% CO₂. Monitor the cells daily under a microscope. When the cells reach 70-80% confluency, passage them into a new flask.
5. For long-term storage, trypsinize the cells and resuspend them in 1 ml of complete medium. Add 10% FBS to the medium. Seed the cells into a T25 flask with 10 ml of complete medium.
6. Incubate the cells in a humidified CO₂ incubator at 37°C and 5% CO₂. Monitor the cells daily under a microscope. When the cells reach 70-80% confluency, passage them into a new flask.
7. For long-term storage, trypsinize the cells and resuspend them in 1 ml of complete medium. Add 10% FBS to the medium. Seed the cells into a T25 flask with 10 ml of complete medium.
8. Incubate the cells in a humidified CO₂ incubator at 37°C and 5% CO₂. Monitor the cells daily under a microscope. When the cells reach 70-80% confluency, passage them into a new flask.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating CellA375 cells are adherent to standard tissue culture flasks.

Freezing Procedure Thaw the vial quickly in a water bath at 37°C. Do not shake the vial. Remove the vial from the water bath and centrifuge at 300 x g for 3 minutes. Discard the supernatant and resuspend the cells in 1 ml of complete medium. Add 10% FBS to the medium. Seed the cells into a T25 flask with 10 ml of complete medium. Incubate the cells in a humidified CO₂ incubator at 37°C and 5% CO₂. Monitor the cells daily under a microscope. When the cells reach 70-80% confluency, passage them into a new flask.

Shipping Conditions The cells are shipped in a humidified CO₂ incubator at 37°C and 5% CO₂. The cells are shipped in a T25 flask with 10 ml of complete medium.

Storage Conditions The cells are stored in a humidified CO₂ incubator at 37°C and 5% CO₂. The cells are stored in a T25 flask with 10 ml of complete medium.

CellA375 / CellA375 / HLA

Sterility The cells are tested for sterility using PCR. The results of the PCR test are as follows:
 - CellA375: No contamination detected.
 - CellA375: No contamination detected.
 - HLA: No contamination detected.

██████A375 | 300110

██████ HLA

A*: '01:01:01, '02:01:01

B*: '44:03:01, '57:01:01

C*: 06:02:01, 16:01:01

DRB1*: 04:05:01, 07:01:01

DQA1*: '02:01:01, '03:03:01

DQB1*: 03:02:01, 03:03:02

DPB1*: 04:01:01

E: '01:01:01, '01:03