

HROC300 T2 M1 | 300866

General information

Description

HROC300 T2 M1 is a cell line derived from a patient with a high-grade serous ovarian carcinoma. The cell line is characterized by a high degree of genetic heterogeneity and is highly sensitive to platinum-based chemotherapy. It is a highly proliferative cell line that is suitable for in vitro studies and for the development of personalized medicine approaches.

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Organism Human

Tissue Ovary

Disease Ovarian carcinoma, TNM T4aN1bM1R2L0V1, G2, Lk(n) + 3, Σ Lk(n) 22

Demographics

Age 73 years

Gender Female

Ethnicity Caucasian

Growth properties Adherent

Identification

Citation HROC300 T2 M1 (Cell Culture) | Cytion 300866

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_VQ94

Genetic characteristics

MSI-status MSS

Product sheet

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General

Culture Medium DMEM:Ham's F12 (1:1), w: 3.1 g/L β -mercaptoethanol, w: 2.5 mM L-ascorbic acid, w: 15 mM HEPES, w: 0.5 mM β -nicotinamide, w: 1.2 g/L NaHCO₃ 820400a)

Supplements β -mercaptoethanol 10% FBS

Dissociation Reagent β -mercaptoethanol

Subculturing Cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized with 0.25% trypsin-EDTA in PBS, washed with PBS, and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into new flasks at a density of 1.5 x 10⁶ cells per flask.

Fluid renewal 3 x 5 days

Freeze medium DMEM:Ham's F12 (1:1) supplemented with 10% FBS and 10% DMSO. Cells are seeded into new flasks at a density of 1.5 x 10⁶ cells per flask.

Thawing and Culturing Cells

1. Cells are thawed in a 37°C water bath and immediately added to 10 ml of DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
2. Cells are centrifuged at 300 x g for 3 minutes and the supernatant is removed. Cells are resuspended in 10 ml of DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
3. Cells are seeded into new flasks at a density of 1.5 x 10⁶ cells per flask.
4. Cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
5. Cells are trypsinized with 0.25% trypsin-EDTA in PBS, washed with PBS, and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
6. Cells are seeded into new flasks at a density of 1.5 x 10⁶ cells per flask.
7. Cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
8. Cells are trypsinized with 0.25% trypsin-EDTA in PBS, washed with PBS, and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating β -mercaptoethanol, β -nicotinamide

