

Cell Line OVCAR-4 | 305912

General Information

Description	OVCAR-4 is a human ovarian carcinoma cell line. It is derived from a 42-year-old female patient with a serous papillary cystadenocarcinoma of the ovary. The cell line is characterized by its high tumorigenicity and its ability to form xenografts in nude mice. It is a highly invasive cell line that expresses a variety of markers associated with ovarian cancer, including CA-125, CA-199, and CA-153. The cell line is also known for its resistance to cisplatin and paclitaxel. OVCAR-4 is a valuable tool for studying the biology of ovarian cancer and for testing new therapies.
Organism	Human
Tissue	Ovary
Disease	Ovarian carcinoma
Metastatic site	Peritoneum
Synonyms	OVCAR 4, NIH:OVCAR-4, NIH:OVCAR4, OVCAR.4, OVCAR4, Ovarcar4

Characteristics

Age	42 years
Gender	Female
Ethnicity	White
Growth properties	Adherent

Documentation and Safety

Citation	OVCAR-4 (Cell Line) Cytion 305912
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1627

Additional Information

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Mutational profile p.Leu130Val,

Culture Medium RPMI 1640, w: 2.1 mM , w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 20% FBS 0.25 "/

Dissociation Reagent

Doubling time 34 ; 43 ; 41.4

Seeding density 1.5×10^4

Fluid renewal 2 3

Freeze medium (FBS) + 10% DMSO

Thawing and Culturing Cells

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

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Incubation Atmosphere

37°C, 5% CO₂,

Shipping Conditions

[illegible]

Storage Conditions

[illegible]