

Product sheet

XXXXXXXX OVCAR-8 | 305383

XXXXXXXXXX XXXXX

Description OVCAR-8 is a human epithelial cell line derived from a patient with ovarian carcinoma. It is a highly tumorigenic cell line that grows in suspension and adherent culture. OVCAR-8 cells are characterized by their ability to form large, multicellular spheroids in suspension culture. The cell line is maintained in DMEM/F12 medium supplemented with 5% fetal bovine serum (FBS) and 10 ng/ml insulin-like growth factor-1 (IGF-1). OVCAR-8 cells are highly sensitive to cisplatin and paclitaxel. The cell line is a valuable tool for studying ovarian cancer biology and drug response.

Organism Human

Tissue Ovary

Disease Ovarian carcinoma

Synonyms OVCAR 8 OVCA8 OVCAR8 OVCcar8 OVCAR.8 OVCCA8 OVCAR-8/EGFP_LC3

XXXXXXXXXX

Age 64

Gender Female

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent

XXXXXXXXXX XXXXXXXXXXXXX

Citation OVCAR-8 (ATCC CRL-2191) (305383)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1629

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Mutational profile CTNNB1 p.Gln26Arg (c.77A>G) ERBB2 (c.362C>A) TP53 c.376-1G>A (p.Tyr126_Lys132del/c.376_396del21)

Characteristics

Culture Medium RPMI 1640 2.1 2.0 NaHCO3 (820700a)

Supplements 10% FBS

Dissociation Reagent

Doubling time 24-32

Split ratio 1:4 1:4

Seeding density 3-4 x 10⁴ /

Freeze medium (10% FBS) + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a 37°C water bath.
2. Centrifuge at 300 x g for 3 minutes.
3. Resuspend cells in 10 ml of complete medium.
4. Seed cells into a T25 flask at 70% confluency.
5. Incubate for 15-18 hours.
6. Seed cells into a 96-well plate at 300 x 3 cells per well.
7. Incubate for 10 days.
8. Harvest cells for analysis.

