

Product sheet

OVCA3 | 300307

Cell Line Information

Receptors expressed	HER2, EGFR, KRAS
Isoenzymes	G6PD, B, PGM1, 1, PGM3, 1, ES-D, 1, AK-1, 1, GLO-1, 1
Tumorigenic	Yes, in nude mice
Ploidy status	Diploid
MSI-status	Stable (MSS)

Culture Conditions

Culture Medium	RPMI 1640, w: 2.0 mM Glucose, w: 2.0 g/L NaHCO3 (Cytion 820700a)
Supplements	10% FBS, 0.01 mg/ml Insulin, 0.01 mg/ml Transferrin, 0.01 mg/ml Selenium
Dissociation Reagent	Trypsin
Doubling time	40 - 60 hours
Subculturing	Cells are cultured in RPMI 1640 medium supplemented with 10% FBS, 0.01 mg/ml Insulin, 0.01 mg/ml Transferrin, 0.01 mg/ml Selenium. Cells are passaged using Trypsin into T25 flasks, 3-5 mg per flask. Cells are passaged into 3 flasks. Cells are passaged into 3 flasks.
Split ratio	1:4 or 1:6
Seeding density	2 x 10 ⁴ cells/ml
Fluid renewal	2 - 3 times per week
Freeze medium	DMEM supplemented with 10% FBS + 10% DMSO (Cytion 820700a) + 10% CM-1

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Thawing and Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C. Do not let the cells sit at room temperature for more than 5 minutes.
2. Add the cells to a pre-warmed medium containing 10% FBS and 100 µg/ml penicillin, 100 µg/ml streptomycin, and 100 U/ml nystatin.
3. Seed the cells into a 25 cm² flask containing 37 ml of medium.
4. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.
5. Harvest the cells by trypsinization and resuspend in 15 ml of medium in an 8 ml vial.
6. Seed the cells into a 300 x g 3 ml vial containing 3 ml of medium.
7. Incubate the cells at 37°C in 5% CO₂ until they reach 100% confluency.
8. Harvest the cells by trypsinization and resuspend in 10 ml of medium.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium, 100 µg/ml penicillin, 100 µg/ml streptomycin, 100 U/ml nystatin

Freezing Procedure Harvest cells by trypsinization and resuspend in 1 ml of freezing medium. Seed into a 1.5 ml vial and freeze at -78°C.

Shipping Conditions Store at -78°C. Ship on dry ice.

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

Genotype / HLA

Sterility The cells are free of mycoplasmas and PCR detectable. The cells are free of endotoxins.

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XXXXXX STR

CSF1PO: 11,12
D13S317: 12
D16S539: 12
D5S818: 11,12
D7S820: 10
TH01: 9,9.3
TPOX: 8
vWA: 17
D3S1358: 17,18
D21S11: 29,31.2
D18S51: 13
Penta E: 7,13
Penta D: 12,13
D8S1179: 10,15
FGA: 21

XXXXXX HLA

A*: 02:01:01, '29:02:01
B*: '07:02:01, '58:01:01
C*: 07:02:01, 07:18:01
DRB1*: 08:01:01, 08:04:01
DQA1*: '04:01:01, '04:01:02
DQB1*: 04:02:01
DPB1*: '02:01:02, '04:01:01
E: 01:01:01