

OVCAR-8-Luc Cells | 305697

Informations générales

Organism	Human
Tissue	Ovary
Disease	Adenocarcinoma
Synonyms	OVCAR 8, NIH:OVCAR-8, OVCAR8, OvcAR8, OVCAR.8, OVCA8, OVCAR-8/EGFP_LC3

Caractéristiques

Age	64 years
Gender	Female
Ethnicity	Caucasian
Morphology	Epithelial-like
Growth properties	Adherent

Données réglementaires

Citation	OVCAR-8-Luc (Cytion catalog number 305697)
Biosafety level	1
NCBI_TaxID	9606
GMO Status	GMO-S1: This human ovarian carcinoma cell line (OVCAR-8-Luc) contains a lentiviral firefly-Luc reporter construct, enabling bioluminescent tracking. The insert is stably integrated. This classification applies only within Germany and may differ elsewhere.

Données biomoléculaires

Protein expression	Luc
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OVCAR-8-Luc Cells | 305697**Manipulation****Culture Medium**RPMI 1640, w: 2.0 mM stable Glutamine, w: 2.0 g/L NaHCO₃ (Cytion article number 820700a)**Supplements**

Supplement the medium with 10% FBS

Dissociation Reagent

Accutase

Seeding density1-3 x 10⁴ cells/mL**Fluid renewal**

2 to 3 times per week

Freeze medium

As a cryopreservation medium, we use complete growth medium + 10% DMSO for adequate post-thaw viability.

Thawing and Culturing Cells

1. Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit.
2. Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
3. For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
4. Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
5. Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
6. Centrifuge the mixture at 200 x g for 5 minutes, carefully discard the supernatant containing freezing medium.
7. Follow the procedure described under Post-Thaw Recovery

Incubation Atmosphere37°C, 5% CO₂, humidified atmosphere.

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Shipping Conditions

Cryopreserved cell lines are shipped on dry ice in validated, insulated packaging with sufficient refrigerant to maintain approximately -78°C throughout transit. On receipt, inspect the container immediately and transfer vials without delay to appropriate storage.

Storage Conditions

For long-term preservation, place vials in vapor-phase liquid nitrogen at about -150 to -196°C . Storage at -80°C is acceptable only as a short interim step before transfer to liquid nitrogen.

Contrôle de qualité / Profil génétique / HLA