

OE33 | 305458

Cell Line

Description	OE33 is a cell line derived from a human osteosarcoma. It is a highly aggressive, metastasizing cell line that is widely used in research on bone cancer. OE33 cells are characterized by their ability to form osteoid, a mineralized extracellular matrix, which is a key feature of osteosarcoma. OE33 cells are also known for their resistance to chemotherapy, particularly cisplatin and doxorubicin. OE33 cells are typically grown in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS). OE33 cells are also known for their ability to form osteoid, a mineralized extracellular matrix, which is a key feature of osteosarcoma.
Organism	Human
Tissue	Bone
Disease	Osteosarcoma
Synonyms	OE-33, JROECL 33, JROECL33, OEC33

Cell Line Characteristics

Age	73 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Highly proliferative, forms colonies, resistant to chemotherapy

Cell Line Identification

Citation	OE33 (Cell Line) Cytion 305458
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0471

Cell Line Source

Product sheet

HEK293T OE33 | 305458

Viruses	EBV-, HBV-, HCV-, HIV-1-, HIV-2-, HPV-, HTLV-I/-II-, MLV-
Mutational profile	TP53, p.Cys135Tyr (c.404G>A),
Culture Medium	RPMI 1640, w: 2.1 mM , w: 2.0 g/L NaHCO3 (Cytion 820700a)
Supplements	10% FBS
Dissociation Reagent	1:1 EDTA (0.05%) (0.1%) PBS
Subculturing	T25, 3-5 "PBS, 3
Seeding density	2-4*10^4/"
Fluid renewal	1 2
Freeze medium	(FBS) + 10% DMSO

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Thawing and
Culturing Cells

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中培养。
2. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C液氮中冷冻保存。
3. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C孵育箱中培养。
4. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于70%相对湿度中培养。
5. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于15 μm × 8 μm的细胞培养瓶中培养。
6. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于300 x g离心3分钟，然后将培养瓶置于-150°C液氮中冷冻保存。
7. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于10 μm × 10 μm的细胞培养瓶中培养。
8. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C液氮中冷冻保存。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Shipping
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-78°C液氮中冷冻保存。

Storage
Conditions

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C液氮中冷冻保存。

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Sterility

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于-150°C液氮中冷冻保存。