

12Z | 305733

12Z

Description	12Z is a human cell line derived from a patient with a rare form of cancer. It is characterized by its high proliferation rate and its ability to form tumors in immunodeficient mice. The cell line is maintained in DMEM supplemented with 10% FBS. It is a good model for studying the biology of this cancer and for testing new therapies.
Organism	Human
Tissue	Epithelial, Adipose
Disease	Cancer
Synonyms	12z, 12-Z, Z12, Z-12, Z12 Eo, EEC12Z

Characteristics

Age	37 years
Gender	Male
Morphology	Epithelial cells
Cell type	Human
Growth properties	High proliferation rate

Genetic information

Citation	12Z (Cytion 305733)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0Q73
GMO Status	GMO-S1: 12Z cells are derived from a human cell line and are not considered a GMO. The cells are maintained in DMEM supplemented with 10% FBS. The cells are not used for food or feed, nor for other purposes that require GMO status.

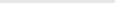
Mutational profile

Culture Medium	DMEM, w: 4.5 g/L β -glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO ₃ , w: 1.0 mM β -mercaptoethanol (100% β -mercaptoethanol Cytion 82030)
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Doubling time 31 ☒☒☒☒

Freeze medium

[illegible]

Incubation Atmosphere	37°C, 5% CO ₂ , 
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Flask Coating

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Freezing Procedure

Freezing Procedure: The cells are frozen in a freezing medium and stored at -78°C.

Shipping Conditions

Shipping Conditions: The cells are shipped in a cooling medium and stored at -78°C.

Storage Conditions

Storage Conditions: The cells are stored in a storage medium at -150 to -196 °C.

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Sterility

Sterility: The cells are sterile and free of mycoplasmas. PCR analysis confirmed the absence of mycoplasmas. The cells are also free of endotoxins.