

Product sheet

SW-1463 | 300623

SW-1463

Description SW-1463 is a cell line derived from a 66-year-old male patient with metastatic melanoma. The cell line is characterized by the presence of a BRAF V600E mutation and a KRAS G12S mutation. SW-1463 cells are highly tumorigenic and grow as soft agar colonies. SW-1463 cells are highly tumorigenic and grow as soft agar colonies.

Organism Human

Tissue Melanoma

Disease Metastatic melanoma

Applications Cell-based assays, drug screening, cancer research

Synonyms SW1463, SW 1463

Characteristics

Age 66 years

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Soft agar colonies

References

Citation SW-1463 (Cytion 300623)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1718

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Cell Line

Surface antigens	A, Rh +
Protein expression	
Antigen expression	(CEA)
Isoenzymes	ES-D, 1, G6PD, B, PEP-D, 1, PGD, A, PGM1, 1, PGM3, 1-2
Tumorigenic	,
Ploidy status	
Karyotype	2n=46

Media

Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L , w: 2.5 mM L-, w: 15 mM HEPES, w: 0.5 mM , w: 1.2 g/L NaHCO3 820400a)
Supplements	10% FBS
Dissociation Reagent	TrypLE Express (Life Technologies)
Subculturing	3 . ,
Freeze medium	(FBS) + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the cells rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed flask containing 15 mL of medium. Incubate at 37°C with 5% CO₂.
3. Once the cells have reached confluence, they can be used for experiments or passaged. Passaging should be performed using a 1:3 dilution ratio.
4. The cells should be passaged every 2-3 days to maintain them in the exponential growth phase.
5. The cells should be passaged into a 150 cm² flask when the cell density reaches approximately 70% confluence.
6. The cells should be passaged into a 150 cm² flask when the cell density reaches approximately 70% confluence.
7. The cells should be passaged into a 150 cm² flask when the cell density reaches approximately 70% confluence.
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Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium

Freezing Procedure Freeze cells in a freezing medium and store at -80°C.

Shipping Conditions Ship cells at -80°C.

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

HLA

Sterility The cells are provided in a sterile, cryoprotected medium.