

Product sheet

NCI-H2228 NCI-H2228 | 305125

General Information

<b>Description</b>	Cell line derived from a patient with metastatic melanoma in 1989. It is a highly tumorigenic cell line that grows as a monolayer in culture.
<b>Organism</b>	Human
<b>Tissue</b>	Melanoma
<b>Disease</b>	Melanoma
<b>Synonyms</b>	NFCI-H2228, H-2228, H-2228, NCIH2228

Cell Characteristics

<b>Gender</b>	Male
<b>Ethnicity</b>	Caucasian
<b>Morphology</b>	Epithelial
<b>Growth properties</b>	Adherent

Identification and Safety

<b>Citation</b>	NCI-H2228 (NCI Cell Line Development Program 305125)
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellSaurusAccession</b>	CVCL_1543

Media and Reagents

Culture Medium

<b>Culture Medium</b>	RPMI 1640, 2.0 mM L-glutamine, 10% FBS, 2.0 mM NaHCO3 (820700a)
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**Supplements** 10% FBS

**Dissociation Reagent**

**Subculturing**

**Split ratio** 1:2 1:4

**Fluid renewal** 2-3 times

**Freeze medium**

**Thawing and Culturing Cells**

1. Thaw cells in a 37°C water bath.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Resuspend cells in 10 ml of 10% FBS medium.
4. Seed cells into a T75 flask at 70% confluency.
5. Incubate cells at 37°C in 5% CO2.
6. Monitor cell growth and passage when cells reach 80% confluency.
7. Harvest cells by trypsinization.
8. Seed cells into a T75 flask at 70% confluency.

**Incubation Atmosphere** 37°C, 5% CO2

**Flask Coating** None

**Freezing Procedure**

Freeze cells in 10% FBS medium + 10% DMSO at -80°C.

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Shipping Conditions

Shipping conditions: -78

Storage Conditions

Storage conditions: -150 -196

STR / HLA

Sterility

Sterility: (PCR)

Sterility:

STR Amelogenin: x

- CSF1PO: 12
- D13S317: 11
- D16S539: 11,13
- D5S818: 12
- D7S820: 11
- TH01: 7,8
- TPOX: 11
- vWA: 15,17
- D3S1358: 16,18
- D21S11: 28,3
- D18S51: 16
- Penta E: 11,16
- Penta D: 11,13
- D8S1179: 13
- FGA: 21,22
- D6S1043: 13,14
- D2S1338: 17
- D12S391: 19,22
- D19S433: 14,15