

Product sheet

NCI-H838 | 305097

General Information

Description	Cell line derived from a 59-year-old male patient with metastatic melanoma, established in 1984. The cell line is characterized by its ability to form colonies in soft agar and its sensitivity to various chemotherapeutic agents.
Organism	Human
Tissue	Melanoma
Disease	Metastatic melanoma
Metastatic site	Metastatic
Synonyms	NCI-H838, H-838, NCIH838

Patient Information

Age	59 years
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

Identification and Accession

Citation	NCI-H838 (ATCC CCL-222) Cytion 305097
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1594

Additional Information

References

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Culture Medium RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Doubling time 55 hours

Subculturing Seed cells into T25, T75 or 300 cm² flasks. Use 1:3 to 1:4 split ratio. Wash cells with PBS. Add 3 ml of dissociation reagent. Incubate for 5 minutes. Add 3 ml of complete medium. Incubate for 24 hours.

Split ratio 1:3 to 1:4

Fluid renewal 2 to 3 times per week

Freeze medium Complete medium (10% FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath. Add 10 ml of complete medium to the flask.
 2. Incubate cells for 24 hours at 37°C.
 3. Wash cells with PBS. Add 3 ml of dissociation reagent. Incubate for 5 minutes.
 4. Add 3 ml of complete medium. Incubate for 24 hours.
 5. Seed cells into T25, T75 or 300 cm² flasks. Use 1:3 to 1:4 split ratio.
 6. Wash cells with PBS. Add 3 ml of dissociation reagent. Incubate for 5 minutes.
 7. Add 3 ml of complete medium. Incubate for 24 hours.
 8. Seed cells into T25, T75 or 300 cm² flasks. Use 1:3 to 1:4 split ratio.

Incubation Atmosphere 37°C, 5% CO₂

