

Product sheet

KHM-5M | 305148

General Information

Description KHM-5M is a cell line derived from a patient with metastatic melanoma. It is characterized by its ability to grow in suspension and its high tumorigenicity. The cell line is maintained in DMEM supplemented with 10% FBS and 1% penicillin/streptomycin. It is a highly proliferative cell line that is suitable for various in vitro and in vivo studies.

Organism Human

Tissue Melanoma

Disease Metastatic melanoma

Metastatic site Metastatic melanoma

Synonyms KHM/5M, KHM5M

Characteristics

Age 65 years

Gender Male

Morphology Epithelial

Growth properties High proliferation rate

References

Citation KHM-5M (Cell Line) | Cytion 305148

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_2975

Additional Information

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Cell Line

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

Supplements 10% FBS

Dissociation Reagent

Doubling time 27 days

Subculturing Cells are cultured in RPMI 1640 medium supplemented with 10% FBS. For subculturing, cells are trypsinized with 0.25% trypsin-EDTA (Cytion 820700a) and seeded into new flasks. Cells are typically passaged every 3-4 weeks.

Fluid renewal 2-3 times per week

Freeze medium RPMI 1640 medium supplemented with 10% FBS and 10% DMSO (Cytion 820700a)

Thawing and Culturing Cells

1. Thaw the cells quickly in a 37°C water bath.
2. Centrifuge the cells at 300 x g for 3 minutes.
3. Wash the cells with PBS.
4. Resuspend the cells in fresh culture medium.
5. Seed the cells into a T25 flask.
6. Incubate the cells at 37°C in 5% CO₂.
7. Monitor cell growth and passage when cells reach 70-80% confluency.
8. Perform subculturing as described in the subculturing section.

Incubation Atmosphere 37°C, 5% CO₂

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Flask Coating

Flask coating is not applicable for this product.

Freezing Procedure

Freezing procedure is not applicable for this product. Storage temperature: -78°C

Shipping Conditions

Shipping conditions are not applicable for this product. Storage temperature: -78°C

Storage Conditions

Storage conditions are not applicable for this product. Storage temperature: -150 to 196 °C

HLA

Sterility

Sterility is not applicable for this product. PCR products are not applicable for this product.

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