

CMK | 305533

CMK

Description	CMK is a cell line derived from a patient with a diagnosis of Acute Myeloid Leukemia (AML). The cell line is characterized by the presence of the <i>der(17)t(11;17)</i> translocation, which results in the fusion of the <i>MLL</i> and <i>AF4</i> genes. The cell line is maintained in suspension culture and is characterized by its rapid growth and high tumorigenicity.
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Organism	Human
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Tissue	Leukemia
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Disease	Acute Myeloid Leukemia (AML)
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Characteristics

Age	10 years
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Gender	Male
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Ethnicity	Chinese
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Growth properties	Adherent
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Identification

Citation	CMK (Cytion: 305533)
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Biosafety level	1
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NCBI_TaxID	9606
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CellosaurusAccession	CVCL_0216
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Genetic background

Mutational profile	TP53, p.Asp49His (c.145G>C), TP53-FXR2
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Notes

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Culture Medium DMEM, w: 4.5 g/L D-glucose , w: 4 mM L-glutamine , w: 3.7 g/L NaHCO_3 , w: 1.0 mM Sodium Pyruvate (Cytion 820300a)

Supplements FBS 20%

Subculturing Cells are harvested by trypsinization for 15 min and resuspended in PBS. Cells are then seeded into new flasks (3-5 $\times 10^5$ cells per flask).

Seeding density $3-5 \times 10^5/\text{flask}$

Freeze medium FBS + 10% DMSO. Cells are seeded into flasks containing FBS + 10% DMSO. Cells are then seeded into new flasks (3-5 $\times 10^5$ cells per flask).

Thawing and Culturing Cells

1. Cells are thawed in a water bath at 37°C. Cells are then seeded into new flasks (3-5 $\times 10^5$ cells per flask).
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7. Cells are seeded into new flasks (3-5 $\times 10^5$ cells per flask).
8. Cells are seeded into new flasks (3-5 $\times 10^5$ cells per flask).

Incubation Atmosphere 37°C, 5% CO_2 , humidified

Shipping Conditions Cells are shipped in a dry ice container at -78°C.

Storage Conditions Cells are stored at -150°C for 196 days.

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Sterility

Das Produkt ist sterilisierbar und kann für PCR-Analysen verwendet werden.

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