

CCRF-CEM-C7 | 300398

General information

Description	CCRF-CEM-C7 is a human acute myeloid leukemia (ALL) T-cell line derived from a patient with CCRF-CEM-C7. It is a continuous cell line that grows in suspension and is characterized by its high proliferation rate and its ability to differentiate into myeloid cells. CCRF-CEM-C7 is a derivative of the CCRF-CEM cell line, which was established from a patient with acute myeloid leukemia (ALL). CCRF-CEM-C7 is a continuous cell line that grows in suspension and is characterized by its high proliferation rate and its ability to differentiate into myeloid cells. CCRF-CEM-C7 is a derivative of the CCRF-CEM cell line, which was established from a patient with acute myeloid leukemia (ALL). CCRF-CEM-C7 is a continuous cell line that grows in suspension and is characterized by its high proliferation rate and its ability to differentiate into myeloid cells.
Organism	Human
Tissue	Leukemia
Disease	Acute myeloid leukemia (ALL)
Synonyms	CCRF-CEM C7, CCRF/CEM-C7, CEM-C7, CEM C7, CEMC7, CEM 7

Characteristics

Age	3-11 years
Gender	Male
Ethnicity	Chinese
Growth properties	Continuous

References and publications

Citation	CCRF-CEM-C7 (Cytion 300398)
NCBI_TaxID	9606
CellosaurusAccession	CVCL_6825

Additional information

Notes

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Culture Medium

RPMI 1640, w: 2.0 mM CaCl_2 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)

Supplements

10% FBS

Dissociation Reagent

Trypsin

Subculturing

Cells are grown in 25 cm² flasks in RPMI 1640 medium supplemented with 10% FBS. For subculturing, cells are trypsinized and seeded into new flasks. Cells are typically passaged every 3-5 days.

Freeze medium

Freezing medium consists of RPMI 1640 medium supplemented with 10% FBS and 10% DMSO. Cells are seeded into cryovials and frozen at -80°C.

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C. Add cells to a flask containing pre-warmed RPMI 1640 medium supplemented with 10% FBS.
2. Allow cells to settle at the bottom of the flask. Add fresh medium and incubate at 37°C.
3. After 24 hours, remove the medium and replace it with fresh RPMI 1640 medium supplemented with 10% FBS.
4. Cells are typically grown in 25 cm² flasks. When cells reach 70-80% confluency, they are passaged.
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Incubation Atmosphere

37°C, 5% CO_2 , humidified

Flask Coating

Not required

Freezing Procedure

Cells are seeded into cryovials and frozen at -80°C.

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Shipping
Conditions

Die Probe sollte bei einer Temperatur von -78°C transportiert werden.

Storage
Conditions

Die Probe sollte bei einer Temperatur von -150 bis -196°C gelagert werden.

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Sterility

Die Probe ist steril und kann für PCR-Analysen verwendet werden.
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