

CCRF-CEM | 300147

CCRF-CEM

Description
CCRF-CEM is a T cell leukemia cell line derived from a patient with acute leukemia. It is characterized by the presence of the CCRF-CEM virus, which is a retrovirus that has integrated into the host genome. The cell line is highly proliferative and is used for the study of leukemia and the effects of chemotherapy. It is also used for the study of the CCRF-CEM virus and its role in the development of leukemia. The cell line is characterized by the presence of the CCRF-CEM virus, which is a retrovirus that has integrated into the host genome. The cell line is highly proliferative and is used for the study of leukemia and the effects of chemotherapy. It is also used for the study of the CCRF-CEM virus and its role in the development of leukemia.

Organism: Human

Tissue: Bone marrow

Disease: Acute leukemia

Synonyms: CCRF/CEM, CCRFCEM, CCRF.CEM, CCRF CEM, CCRF, CEM, CEM-CCRF, CEM-CCRF (CAMR), CCRF/CEM/0, CEM/0, CEM-0, CCRF-CEM/S, GM03671, GM03671C

Characteristics

Age: 4 years

Gender: Male

Ethnicity: Caucasian

Morphology: Large, round, epithelial, epithelial, epithelial-epithelial

Cell type: T cell

Growth properties: Adherent

References

Citation: CCRF-CEM (ATCC CCL-221) Cytion 300147

Biosafety level: 1

Product sheet

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NCBI_TaxID 9606

CellosaurusAccession CVCL_0207

XXXXXXXXXX XXXX-XXXXXXXXXXXXXXXXXX

Protein expression P53 XXXXXX

Antigen expression CD3 B (37%), CD4 (50%), CD5 (95%), CD7 (77%)

Isoenzymes G6PD, B

Tumorigenic XX, XXXXXXXX XXXXXXXX

Viruses EBV XXXXXX

Reverse transcriptase XXXXXX

Ploidy status XXXXXXXXXXXXX

MSI-status XX XXXX (MSI)

XXXXXXXXXX

Culture Medium RPMI 1640, w: 2.0 mM XXXXXXXX XXXXX, w: 2.0 g/L NaHCO3 (XXXXX XXXXXXXX XX Cytion 820700a)

Supplements XXXXX XXXXXXX 10% FBS XXXXXXX XXXXX

Doubling time 24 XXXXX

Subculturing XXXXX XX XXXXXXX⁵ XXXXX⁵ XXXXX⁶ XXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XX5 x 10

Seeding density XXXXX XX⁵ XXXXXXX XXXXX XX-1 x 10

Fluid renewal XX 3 XXXXX

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Post-Thaw Recovery 48

Freeze medium (FBS) + 10% DMSO

- Thawing and Culturing Cells**
1. 48
 2. -150°C
 3. 37
 4. 70%
 5. 15" x 8"
 6. 300 x g
 7. 10"
 8. 196

Incubation Atmosphere 37°C, 5% CO₂

Flask Coating 196

Freezing Procedure -78°C

Shipping Conditions -78°C

Storage Conditions -150

HLA

