

B95-8 Cells | 601102**General information****Description**

The B95-8 cell line is an immortalized marmoset B lymphoblastoid line, derived from the peripheral blood leukocytes of a cotton-top marmoset (*Saguinus oedipus*). This cell line was established through infection with the Epstein-Barr virus (EBV), which is a common method for immortalizing B cells. The presence of EBV is central to the B95-8 line's utility in research, particularly for studies related to viral oncology, virus-host interactions, and the biology of EBV itself.

B95-8 cells are frequently used as a source of Epstein-Barr virus in virology research. They produce infectious virus particles, making them an invaluable tool for the propagation of EBV and for experiments requiring active virus. Additionally, this cell line has been instrumental in the development of vaccines and therapeutic strategies against EBV-associated diseases, including Burkitt's lymphoma and Hodgkin's lymphoma. The cells are also relevant in the study of the immune response to EBV, as they can be used to model the transformation of B cells and to understand the mechanisms of EBV-induced tumorigenesis.

Organism Cotton-top tamarin

Tissue Blood

Synonyms B95.8, B 95.8, B 95-8, B-95-8, B958, GM07404, GM07404A, GM07404D

Characteristics

Gender Female

Morphology Lymphoblast

Growth properties Suspension

Regulatory Data

Citation B95-8 (Cytion catalog number 601102)

Biosafety level 2

NCBI_TaxID 9490

CellosaurusAccession CVCL_1953

Biomolecular Data

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Handling

Culture Medium

RPMI 1640, w: 2.0 mM stable Glutamine, w: 2.0 g/L NaHCO₃ (Cytion article number 820700a)

Subculturing

Gently homogenize the cell suspension in the flask by pipetting up and down, then take a representative sample to determine the cell density per ml. Dilute the suspension to achieve a cell concentration of 1×10^5 cells/ml with fresh culture medium, and aliquot the adjusted suspension into new flasks for further cultivation.

Split ratio

1:2 to 1:4

Fluid renewal

2 to 3 times per week

Freeze medium

As a cryopreservation medium, use complete growth medium (including FBS) + 10% DMSO for adequate post-thaw viability, or CM-1 (Cytion catalog number 800100), which includes optimized osmoprotectants and metabolic stabilizers to enhance recovery and reduce cryo-induced stress.

Quality Control & Molecular Analysis

Sterility

Mycoplasma contamination is excluded using both PCR-based assays and luminescence-based mycoplasma detection methods.

To ensure there is no bacterial, fungal, or yeast contamination, cell cultures are subjected to daily visual inspections.