

BJAB

Cat. No. ARC1035, 1×10^6 cells/vial

Description

The BJAB cell line is a human Burkitt lymphoma cell line (B cell origin), derived from the inguinal tumor of a 5-year-old African girl. It is an Epstein-Barr virus (EBV)-negative lymphoblastoid cell line that does not harbor EBV genome or express EBV specified antigen EBNA, but these cells carry surface-bound immunoglobulin. BJAB grows in suspension with a round to polymorphic morphology. The cells rapidly lose viability when approaching maximal culture density; therefore, over-dense cultures should be avoided.

BJAB has wide applications in molecular mechanism and cancer research. Their stable EBV status allows for a valuable application in research on EBV transformation or infection of B cells, enabling researchers to investigate the effect of EBV virus contributing to lymphomagenesis. Otherwise, the BJAB cells exhibit features of Burkitt lymphoma, making it a cell model for genetic and phenotypic studies. The BJAB cell line also serves as a cell model of EBV-negative Burkitt lymphoma in biomedical research for evaluating cytotoxic activity in comparison with EBV-positive counterparts.

Specification

Cell Type: B cell line

Tissue/Organ: Blood (peripheral blood)

Derived from Site: In situ; Groin

Disease: Burkitt lymphoma

Species: Homo sapiens (Human)

Genetic Background: African

Sex of Donor: Female

Age: 5 years

Shipping & Storage

Shipping condition: Frozen on dry ice.

Storage condition: Liquid nitrogen (LN₂) cryopreservation.



Intended Use

This product is intended for laboratory in vitro use only. It is not intended for diagnostic, therapeutic, or clinical applications.

Culturing Guidance

Morphology: Round to polymorphic cells

Growth Mode: Suspension

Temperature: 37°C

Atmosphere: 5% CO₂

Unpacking and Storage Instructions

1. Visually inspect all packaging components for integrity and verify adequate dry ice.

If any damage is observed, notify Ascent Technical Support immediately.

2. Prioritize transfer to liquid nitrogen vapor phase storage system (-130°C or below).

Secondary option: -80°C mechanical freezer (short-term storage only).

Always maintain temperature strictly below -65°C.

Disclaimer

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