

BC-3 | 305748

BC-3

Description	BC-3 is a human B cell line (PEL) derived from a patient with HIV. It is a continuous cell line that expresses B cell markers (CD19, CD20, CD22, CD24, CD45, HLA-DR, etc.) and is capable of producing antibodies. BC-3 is a B cell line derived from a patient with HIV. It is a continuous cell line that expresses B cell markers (CD19, CD20, CD22, CD24, CD45, HLA-DR, etc.) and is capable of producing antibodies. BC-3 is a B cell line derived from a patient with HIV. It is a continuous cell line that expresses B cell markers (CD19, CD20, CD22, CD24, CD45, HLA-DR, etc.) and is capable of producing antibodies.
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Organism	Human
Tissue	B lymphocytes
Disease	HIV
Applications	Antibody production
Synonyms	BC3

BC-3

Age	85 years
Gender	Male
Ethnicity	White
Morphology	B lymphocytes
Growth properties	Continuous

BC-3

Citation	BC-3 (Cytion: 305748)
Biosafety level	2
NCBI_TaxID	9606

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CellosaurusAccession CVCL_1080

NCBI Taxonomy: 10089 - Homo sapiens

Antigen expression CD30+; CD38+; CD45+; CD54+; CD71+; HLA-DR+; EMA+ (CD3+; CD4+; CD8+; CD19+; CD20+; CD22-;

Mutational profile TP53: G>A, CDKN2A, PTEN

NCBI Gene: 10089

Culture Medium RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO3 (Cytion 820700a)

Supplements 20% FBS

Dissociation Reagent TrypLE

Doubling time 50-60 days

Seeding density 2.5 x 10⁵ cells/cm²

Fluid renewal 2-3 times per week

Freeze medium 90% FBS, 10% CM-1 (Cytion 800100), 10% DMSO

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Thawing and
Culturing Cells

1. 将细胞悬液缓慢加入含有培养基的孔板中，轻轻混匀，将孔板放入37°C孵育箱中孵育24小时。
2. 将孔板放入37°C孵育箱中孵育24小时，然后将孔板放入-150°C冰箱中冷冻保存。
3. 将孔板放入37°C孵育箱中孵育24小时，然后将孔板放入-150°C冰箱中冷冻保存。
4. 将孔板放入37°C孵育箱中孵育24小时，然后将孔板放入-150°C冰箱中冷冻保存。
5. 将孔板放入37°C孵育箱中孵育24小时，然后将孔板放入-150°C冰箱中冷冻保存。
6. 将孔板放入37°C孵育箱中孵育24小时，然后将孔板放入-150°C冰箱中冷冻保存。
7. 将孔板放入37°C孵育箱中孵育24小时，然后将孔板放入-150°C冰箱中冷冻保存。
8. 将孔板放入37°C孵育箱中孵育24小时，然后将孔板放入-150°C冰箱中冷冻保存。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Shipping
Conditions

将细胞悬液缓慢加入含有培养基的孔板中，轻轻混匀，将孔板放入37°C孵育箱中孵育24小时。

Storage
Conditions

将细胞悬液缓慢加入含有培养基的孔板中，轻轻混匀，将孔板放入37°C孵育箱中孵育24小时。

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Sterility

将细胞悬液缓慢加入含有培养基的孔板中，轻轻混匀，将孔板放入37°C孵育箱中孵育24小时。