BJAB

302006

GENERAL INFORMATION

Description

BJAB □胞系是 1973 年从一个被诊断患有 Epstein-Barr 病毒（EBV）阴性伯基特淋巴瘤的 5 岁非洲女孩身上建立的。这一特殊来源对研究至关重要，因为它为研究不受 EBV 影响的伯基特淋巴瘤提供了一个独特的模型。 BJAB □胞的 EBV 阴性状态使研究人员能够在不受病毒干扰的情况下研究导致淋巴瘤发生的遗传和环境因素。

BJAB □胞常用于肿瘤研究，特别是用于探索伯基特淋巴瘤的病理生理学，以及测试针对该病的治疗策略。该 □胞系显示出伯基特淋巴瘤的许多标志性特征，包括高增殖率和特征性免疫表型。它的遗传稳定性和培养的稳健性使其成为体外实验的重要工具，用于了解淋巴瘤生物学特性和评估抗癌药物的疗效。

Tissue	血液
Disease	伯基特淋巴瘤

Applications

B □胞表面抗原分析、□胞毒性药物测试、突变分析、□胞凋亡机制分析、HLA 类型分析

Synonyms

- BJAb
- BJA-B
- BJAB-1
- BJA-B1
- BJA-B-1

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Suspension
Biosafety level	1

CHARACTERISTICS

Morphology	圆形电池
Cell type	B 淋巴□胞

Karyotype

46、低二倍体

IDENTIFIERS

Citation

BJAB（Cytion 目录号 302006）

NCBI TaxID	9606
Cellosaurus	CVCL_5711

EXPRESSION AND SUSCEPTIBILITY

Antigen expression

CD10+, CD19+, CD20+, CD21(+), CD22+, CD23-, CD24-, CD32+, CD37+, CD38+, CD39-, CD40+, CD54+, CD72+, CD73-, CD75+, CD77+, CD81, CD82+, CD83+, CD84+, CD86+

HANDLING AND CULTURE

Culture medium

RPMI 1640□w□2.0 mM □□□□□□□w□2.0 g/L NaHCO3□Cytion □□□□ 820700a□□

Incubation atmosphere	37°C, 5%CO2, □□□□□

Supplements

□□□□□□□ 20% FBS□10 mM HEPES

Subculturing

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Seeding density	3 × 10⁵ □□□/□□
Fluid renewal	□ 3 □ 5 □
Post-thaw recovery	□□□□□□□□□□□□□□ 48 □□□

Thawing and culturing

Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit. Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
Centrifuge the mixture at 300 x g for 3 minutes to separate the cells and carefully discard the supernatant containing residual freezing medium.
Gently resuspend the cell pellet in 10 ml of fresh culture medium. For adherent cells, divide the suspension between two T25 culture flasks; for suspension cultures, transfer all the medium into one T25 flask to promote effective cell interaction and growth.
Adhere to established subculture protocols for continued growth and maintenance of the cell line, ensuring reliable experimental outcomes.

QUALITY CONTROL AND CRYOPRESERVATION

Sterility

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□□

Freeze medium	□□□□□□□□□□□□□□□ FBS□+10% DMSO □ CM-1□Cytion □□□□□□ 800100□□□□□□□□□ □□□□□□□□□□□□□□□□□CM-1□Cytion □□□□□□ 800100□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□

Storage conditions

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Shipping conditions

□□□ -78 °C □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

DONOR

Donor age	5 □

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Local court Mannheim - HRB 714394
CEO / Geschäftsführer: Jonathan Steubing

Banking information
Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

Ethnicity	非洲

LEGAL AND SAFETY

Safety precautions

计划将低温样品储存在液氮中以便将来解冻时，必须遵守严格的安全措施。在将冷冻样本移入或移出液氮罐时，必须穿戴适当的防护手套和防护服，并使用面罩或安全护目镜。这样做是为了降低在移出时因冷冻样品爆炸而造成伤害的风险，因为爆炸可能导致锋利的碎片飞溅。

Warranty

在Cytion，我们保证产品的质量和活力。
我们保证，从我们的工厂发货后 60 天内，我们的□胞在开始培养时都是存活的。
我们保证所有材料均符合分析证书和/或产品说明书中描述的规格。
有关详□信息，请参阅我们的 <a href="" /Who-we-are/Warranty/"" hreflang=""x-default"">保修声明。

Material Transfer Agreement required	Yes