Toledo

305351

GENERAL INFORMATION

Description

□莱多细胞系是一种弥漫性大B细胞淋巴瘤（DLBCL）细胞系，最初是从一名DLBCL患者的外周血中建立的，该患者在接受大剂量化疗和骨髓移植后，脑部出现了继发性淋巴瘤。 该细胞系表现出复杂的核型，存在多种染色体畸变，但不具备伯基特淋巴瘤特有的易位。

□莱多细胞系的一个独特特征是其不表达免疫球蛋白（Ig）多肽链，且缺乏可检测到的恒定（C）区基因片段。 尽管如此，□莱多细胞系仍保留了其可变（V）基因片段发生体细胞超突变的能力，这通常是生发中心 B 细胞中观察到的现象。 有趣的是，尽管□莱多细胞系缺乏显著的克隆突变，但其克隆内突变的积累频率却高于达乌迪（ Daudi）和拉吉（Raji）等其他淋巴瘤细胞系。这表明突变过程可能在体外转化后仍在持续，这可能为研究体细胞超突变的分子机制提供了一个有价值的模型。

Tissue	外周血
Disease	弥漫大 B 细胞淋巴瘤生殖中心 B 细胞型

Applications

三维细胞培养、免疫学

Synonyms

- TOLEDO

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Suspension
Biosafety level	1

CHARACTERISTICS

Morphology	淋巴母细胞
Doubling time	50 小时

IDENTIFIERS

Citation

□莱多（Cytion 产品编号 305351）

NCBI TaxID	9606
Cellosaurus	CVCL_3611

EXPRESSION AND SUSCEPTIBILITY

Antigen expression

CD10+ ′ CD19+ ′ CD20+ ′ CD38+ ′ CD23- ′ CD39-

Mutational profile

突变：KRAS，简单突变，p.Gly13Asp (c.38G>A)，杂合子；突变：TP53，简单突变，p.Glu198fs (c.592_596del5)，未指定

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Banking information
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BIC: SOLADES1HDB

Viruses

EBV -□HBV -□HCV -□HIV-1 -□HIV-2 -□HTLV-1/2 -□MLV -□SMRV -

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

□□□□□□□ 10% FBS

Dissociation reagent	□

Subculturing

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Seeding density	2 □ 4 × 10⁵ □□□/□□
Fluid renewal	□ 2 □ 3 □

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	□□
Ethnicity	□□□□

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，我们的细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。

有关详细信息，请参阅我们的 <a href="" /Who-we-are/Warranty/"" hreflang=""x-default"">保修声明。

Material Transfer Agreement required Yes

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