L1210

400257

GENERAL INFORMATION

Description

L1210□胞系是一种特征明确的小鼠淋巴□胞白血病模型，最初源自一只患有淋巴□胞白血病的小鼠。由于其生长迅速且增殖能力强，该□胞系在癌症研究中被广泛应用。L1210□胞常用于白血病发病机制研究、化疗药物测试，以及探索癌□胞存活和增殖的分子机制。

L1210□胞在体外生长迅速且能维持悬浮培养状态，使其成为体外检测和体内实验（特别是在同基因小鼠模型中）的理想选择。该□胞系对多种化疗药物的敏感性，使其成为抗白血病药物临床前筛选的宝贵工具。研究人员常利用 L1210 □胞研究耐药机制、评估新型治疗化合物，并探究□胞对 DNA 损伤剂的反应。

此外，L1210□胞系还作为研究白血病免疫反应的模型，有助于深入理解白血病□胞与宿主免疫系统的相互作用。这包括肿瘤免疫学、□胞因子产生以及免疫治疗方法有效性的相关研究。

总体而言，L1210□胞系仍是白血病研究中的关键资源，为癌症生物学和治疗方法的开发做出了重要贡献。

Tissue	造血
Disease	白血病

Synonyms

- L 1210
- L-1210
- Leukemic 1210
- Leukemia 1210
- Leukemia L1210

CLASSIFICATION

Organism	Mouse
Sex	Female
Growth properties	Suspension
Biosafety level	1

CHARACTERISTICS

Cell type	淋巴母□胞
Tumourigenic	是的，在裸鼠和DBA小鼠中
Doubling time	10至12小时

IDENTIFIERS

Citation

L1210（Cytion 产品编号 400257）

NCBI TaxID	10090
Cellosaurus	CVCL_0382

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Banking information
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EXPRESSION AND SUSCEPTIBILITY

Viruses

MAP □□□□□□□□□□Ektromelie□□□□□□□□K□□□Kilham□□□Reo 3□□□PVM□□□LCM□□□M.pulmonis□□□MVM□□□Theiler's GD VII□□□Toolan's H-1□□□MHV□□□LDV□□□RCV/SDA□□□M-□□□□B.piliformis□□□

HANDLING AND CULTURE

Culture medium

DMEM□w□4.5 □/□□□□□w□4 □□□ L-□□□□□w□3.7 □/□ NaHCO3□w□1.0 □□□□□□□□Cytion □□ 820300a□□

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

Supplements

□□□□□□□10%□□□□

Subculturing

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Seeding density	0.3 □ 1 × 10⁶ □□□/□□
Fluid renewal	□ 3 □ 4 □
Post-thaw recovery	□□

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

Breed / subspecies	DBA/2

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Donor age	8 个月

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。

Disclaimer

我们提供的□胞仅用于体外实验室研究目的，不用于临床或诊断用途，也不得用于人类或兽医目的。用户必须遵守在研究环境中处理和使用这些 □胞的所有适用准则和法规。

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

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