DU4475

300371

GENERAL INFORMATION

Description

DU4475 □胞系是一种源自转移部位的人类乳腺癌 □胞系。它具有侵袭性和分化差的特点，常用于研究癌症转移和进展的机制。该 □胞系已被广泛用于探索治疗靶点和抗癌药物对高侵袭性乳腺癌类型的疗效。

在遗传学上，DU4475 表现出高度的遗传不稳定性，这是许多癌 □胞的特征。这一特点使其成为研究导致癌症发展和恶化的遗传和分子事件的宝贵模型。涉及 DU4475 的研究通常侧重于调控癌 □胞生长、存活和抗化疗的途径，这使它成为旨在开发更有效癌症治疗方法的肿瘤研究的重要资源。

Tissue	乳房
Disease	乳腺癌
Metastatic site	皮肤

Applications

三维□胞培养、免疫肿瘤学

Synonyms

- Du4475
- DU-4475
- Du-4475
- DU 4475
- Du 4475
- Duke University 4475

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Suspension
Biosafety level	1

CHARACTERISTICS

Morphology	上皮□胞
Tumourigenic	是，在裸鼠身上

Karyotype

人类平模近四倍体核型，多倍体率为 12% - 88-93xxxx, +1, +1, -5, -6, +9, -10, -10, +15, +15, -16, -16, +22, +4mar, i(1q)x2, ?add(1)(p35-36)x2, ?i(5p)x2, add(6)(p11), add(6)(p1?), del(6)(q25), add(9)(q35), del(11)(q24)x2, add(15)(p11)x2, add(17)(p1?)x2, del(21)(q22.2)x2 --20′-20′+del(7)(p11) 的侧线 --乳腺癌中典型的 1q 增益和 6q 缺失 --与已发表的核型相似

IDENTIFIERS

Citation

DU4475（Cytion 目录号 300371）

NCBI TaxID	9606

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Cellosaurus	CVCL_1183

EXPRESSION AND SUSCEPTIBILITY

Isoenzymes

AK-1□1□ES-D□1□G6PD□B□GLO-I□2□Me-2□2□PGM1□1-2□PGM3□1

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

□□□□□□□ 15% □□□ FBS

Subculturing

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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	62 □
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□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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