HCC1806

300467

GENERAL INFORMATION

Description

HCC1806 □胞系来自一名 60 岁尖锐鳞状□胞癌患者的乳腺。这些□胞缺乏雌激素和孕激素受体，也没有表皮生长因子受体（ EGFR）扩增，因此被归类为三阴性乳腺癌。该 □胞系与 TNBC 在体内的表现非常相似，包括自发转移倾向和对紫杉醇等传统疗法的耐药性，因此有助于对治疗靶点进行生物学验证。

AEB071治疗等干预措施对HCC1806□胞的分子影响让人们深入了解了 □胞增殖途径以及蛋白激酶抑制剂作为治疗药物的潜力。在异种移植模型中使用 HCC1806 有助于在受控环境中研究肿瘤的生长和转移。

HCC1806 乳腺癌□胞是研究乳腺癌，尤其是三阴性亚型乳腺癌的重要工具。它是研究人员揭示乳腺癌分子相互作用和寻找有效治疗方法的重要资源。

Tissue	乳房、乳腺
Disease	乳腺鳞状□胞癌，棘层溶解变异型

Applications

三维□胞培养、癌症研究

Synonyms

- Hcc1806
- HCC-1806
- Hamon Cancer Center 1806

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Adherent
Biosafety level	1

CHARACTERISTICS

Morphology	上皮□胞
Cell type	上皮□胞

Karyotype

检测□胞数 = 59。模态染色体数 = 75，范围在 65 到 79 之间。多倍体率 = 22

IDENTIFIERS

Citation

HCC1806（Cytion 目录号 300467）

NCBI TaxID	9606
Cellosaurus	CVCL_1258

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EXPRESSION AND SUSCEPTIBILITY

Receptors expressed

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Protein expression

□□□□□ 2 (EGP2)□□□□□□ 19

Oncogenes

Her2/neu-, p53-

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	Accutase

Subculturing

□□□□□□□□□□□□□□□□□□□□□ PBS □□□T25 □□□ 3-5 □□ PBS□T75 □□□ 5-10 □□□□□□ Accutase □□□□□□□T25 □□□ 1-2 □□□T75 □□□ 2.5 □□□□□□□□□□□□ 8-10 □□□□□□□□□□□□□ 10 □□□□□□□□□□□□□□□□□□□ 300xg □□ 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

□□□□□□□□□□□□□□□□□□□□□□□□□□ -150 □ -196 ℃□□-80 °C□□□□□□□□□□□□□□□□□□□

Shipping conditions

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

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DONOR

Donor age	60 年
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

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