Hs 578T

305089

GENERAL INFORMATION

Description

Hs 578T □胞系是一种从乳腺癌中提取的人类乳腺癌 □胞系。这些□胞呈现上皮样形态，以粘附生长模式为特征。 Hs 578T □胞系常用于癌症研究，特别是用于研究乳腺癌的发展和转移机制。这种□胞中的 TP53 基因发生了突变，而 TP53 基因是一种重要的肿瘤抑制基因，这种突变通常与某些癌症类型的侵袭行为有关。

Hs 578T □胞激素受体阴性，这意味着它们不表达雌激素或孕激素受体，因此被归类为三阴性乳腺癌 □胞。与激素受体阳性乳腺癌相比，这种亚型乳腺癌的治疗选择通常较少，预后也较差。研究人员利用 Hs 578T □胞系探索肿瘤生物学的各个方面，包括 □胞增殖、迁移以及对化疗和靶向疗法的反应。

Hs 578T □胞系还表达波形蛋白，这是一种与上皮 □胞向间质转化（EMT）相关的标记物，EMT 在癌症转移过程中起着至关重要的作用。涉及这些 □胞的研究有助于阐明参与 EMT 的分子途径，并为抑制癌症扩散的潜在治疗靶点提供见解。此外， Hs 578T □胞还被用于药物筛选试验，以确定具有潜在抗癌活性的化合物。

Tissue	乳腺、乳房
Disease	浸润性乳腺癌

Synonyms

- HS 578T
- Hs-578T
- HS-578T
- Hs_578t
- Hs-578-T
- HS-578-T
- Hs 578.T
- HS578T
- Hs578T
- Hs578t
- HS0578T
- 578T
- HS578
- Hs578
- Homo sapiens No. 578
- tumor cells

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Adherent
Biosafety level	1

CHARACTERISTICS

Morphology	上皮□胞
Tumourigenic	没有

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IDENTIFIERS

Citation

Hs 578T□Cytion □□□□ 305089□

NCBI TaxID	9606
Cellosaurus	CVCL_0332

EXPRESSION AND SUSCEPTIBILITY

Receptors expressed

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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% 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 □□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□

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

冷冻保存的□胞系用干冰装运，并用经过验证的隔热包装和足够的制冷剂在整个运输过程中保持约 -78 °C 的温度。收到货后，应立即检查容器，并立即将小瓶转移到适当的储藏室。

DONOR

Donor age	74 年
Ethnicity	欧洲

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