IOSE-80

305453

GENERAL INFORMATION

Description

IOSE-80□胞系是一种源自正常人类卵巢表面上皮的非致瘤性 □胞系。在卵巢癌研究中，它作为关键对照，为比较癌 □胞的行为提供了基准。 IOSE-80□胞已被用于探索正常卵巢组织与癌变卵巢组织中基因差异表达的研究。例如，将 IOSE-80与SKOV-3和COC1等卵巢癌□胞系进行比较的研究发现，癌□胞中与免疫和铁死亡相关的特定基因显著上调，从而显示出截然不同的分子特征。

IOSE-80□胞的一个显著特征是其对各种治疗和实验条件的反应，这些实验旨在阐明癌 □胞增殖和耐药的机制。这些□胞已被用作对照组，以评估化合物的 □胞毒性，并评估药物选择性抗癌作用。 例如，研究表明，如山奈酚等黄酮类化合物虽能抑制卵巢癌□胞系的增殖并诱导其凋亡，但对 IOSE-80□胞却未产生显著的□胞毒性作用，这表明IOSE-80□胞系具有非癌性特征和较强的抗逆性。

总体而言，IOSE-80是研究健康卵巢上皮□胞基线行为的宝贵模型，并作为理解导致卵巢癌恶变的变化的比较参考。这使其成为新型治疗方法研究、药物筛选以及卵巢癌发展分子机制研究中不可或缺的一部分。

Tissue	卵巢
Disease	正常

Synonyms

- IOSE 80
- IOSE80
- NFHIOSE-80
- IOSE80UBC
- IOSE-Van
- IOSE-VAN

CLASSIFICATION

Organism	Human
Sex	Female
Growth properties	Adherent
GMO status	GMO-S1

GMO status details

GMO-S1: This human IOSE-80 ovarian epithelial line contains an SV40 T-antigen construct for immortalization and ovarian epithelium research. This classification applies only within Germany and may differ elsewhere.

Biosafety level	1

CHARACTERISTICS

Morphology	上皮样
Cell type	上皮□胞

IDENTIFIERS

Citation

IOSE-80（Cytion 产品编号 305453）

Cytion GmbH
Nikola-Tesla-Str. 3
69124 Heidelberg
Tel: +49 (0)6221 405780
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Registered office Heidelberg
VAT ID: DE283292917
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CEO / Geschäftsführer: Jonathan Steubing

Banking information
Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

NCBI TaxID	9606
Cellosaurus	CVCL_5546

HANDLING AND CULTURE

Culture medium

RPMI 1640□□ 2.1 mM □□□□□□□□□□ 2.0 g/L $NaHCO_3$ □□□□□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 □□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□

Seeding density	2-4×10⁴/cm²

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

□□□□ PCR □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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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 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

DONOR

Donor age	□□□
Ethnicity	□□□

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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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