RenCa

400321

GENERAL INFORMATION

Description

RenCa□□□□□□□□□□□□□□□□□□□□□□□□□□□□ BALB/c □□□□□□□□□□□□□□□□BALB/c □□□□□□□□□□□□□□□□RenCa □□
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Tissue	□□
Disease	□□

Synonyms

- Renca
- RENCA
- Renal Carcinoma

CLASSIFICATION

Organism	Mouse
Sex	Male
Growth properties	Adherent
GMO status	GMO-S1

GMO status details

GMO-S1: This murine renal carcinoma cell line (RenCa) contains stable, undefined genetic alterations associated with spontaneous tumorigenesis. The modification renders the line GMO-classified under German rules. This classification applies only within Germany and may differ elsewhere.

Biosafety level	1

CHARACTERISTICS

Morphology	□□□
Tumourigenic	□□□□□□□□
Doubling time	47 □□

IDENTIFIERS

Citation

RenCa□Cytion □□□□ 400321□

NCBI TaxID	10090

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

Cellosaurus	CVCL_2174

EXPRESSION AND SUSCEPTIBILITY

Virus susceptibility

MAP □□□□□□□□□□□□Ektromelie□□□□□□□K □□□□□□□□□□LCM□□□□□□□□MVM□Theiler`s GD VII□toolan`s H-1□MHV□RCV/SDA□M-□□□□

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 □□□

Seeding density	2 × 10⁴ □□□/□□□□
Fluid renewal	□□ 2 □ 3 □
Post-thaw recovery	□□□□□□□ 93%□□□□□□□□□□□□□□ 24 □ 48 □□□

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 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
□□□

Freeze medium	□□□□□□□□□□□□□□□□□□ FBS□+10% DMSO □ CM-1□Cytion □□□□□□□□ 800100□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□CM-1□Cytion □□□□□□□□ 800100□□

Storage conditions

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Shipping conditions
冷冻保存的细胞系用干冰装运，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

Breed / subspecies BALB/c

Donor age 6 周

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

我们提供的细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细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，我们的细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。

有关详细信息，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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3 / 3