Neuro-2a-Luc

305690

GENERAL INFORMATION

Description

Neuro-2a-Luc □□□□□□□□□□□□□□□ Neuro-2a□N2a□□□□□□□□□□□□□□□□ Neuro-2a □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□ Neuro-2a-Luc □ □□
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Tissue	□□□□□□□
Disease	□□□□□□□

Synonyms

- Neuro2A-Luc

CLASSIFICATION

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

GMO status details

GMO-S1: This cell line contains a stably integrated firefly luciferase reporter cassette (Luc2, codon-optimized) introduced via replication-incompetent lentiviral transduction. The resulting polyclonal cell population was maintained under puromycin selection (1–5 µg/mL). S1 containment is required. This classification applies only within Germany and may differ elsewhere.

Biosafety level	1

CHARACTERISTICS

Cell type	□□□□□□□□□□□□□□□

IDENTIFIERS

Citation

Neuro-2a-Luc□Cytion □□ 305690□

NCBI TaxID	10090
Cellosaurus	CVCL_K046

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CEO / Geschäftsführer: Jonathan Steubing

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

EXPRESSION AND SUSCEPTIBILITY

Antigen expression

Luc2□□□□□□□□□□□□

Viruses

□□□□□□□□□□□□□□

Virus resistance

□1□□□□□□□

Reverse transcriptase	□

Products

□□□□□□□□□□□

HANDLING AND CULTURE

Culture medium

EMEM□MEM Eagle□□□ 2 mM L-□□□□□□ 2.2 g/L $NaHCO_3$□□ EBSS□Cytion □□□□ 820100a□

Incubation atmosphere	37°C□5% CO_2□□□□□□

Supplements

□□□□□□□ 10% FBS □ 1% NEAA

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	1 □ 3 × 10^4 □□□/cm^2
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 200 x g for 5 minutes, carefully discard the supernatant containing freezing medium.
Follow the procedure described under Post-Thaw Recovery

QUALITY CONTROL AND CRYOPRESERVATION

Freeze medium	□□□□□□□□□□□□□□□□□□□□□□□□ 10% □□□□□□□□DMSO□□□□□□□□□□□□□□□□□□ □□□□

Storage conditions

□□□□□□□□□□□□□□□□□□ −150 □ −196 °C □□□□□□□□□□□□□□□□□□□□□□□□□□□□ −80 °C □□□□□□□□□□□□□□□

Shipping conditions

□□ −78 °C□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□

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LEGAL AND SAFETY

Safety precautions
若計劃將低溫試管存放在液態氮中以供日後解凍，必須嚴格遵守相關安全措施。 必須穿戴適當的防護手套和防護服，且在將冷凍樣本移入或移出液氮罐時，必須佩戴口罩或安全護目鏡。此舉旨在降低因取出時冷凍試管可能發生爆炸而導致受傷的風險，此類爆炸可能造成尖銳碎片飛濺。

Warranty

在 Cytion，我們對產品的品質與存活率提供保障。
我們保證，自本公司設施出貨後
60 天內，我們的細胞在培養開始時仍具存活能力。
我們保證所有材料均符合
分析證明書及／或產品說明書中所載的規格。
詳情請參閱我們的
《保固聲明》。

Material Transfer Agreement required Yes

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