

NRK-4xlambdaN22-3xmEGFP-M9 | 500672

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Description NRK-4xlambdaN22-3xmEGFP-M9 is a mouse cell line derived from NRK (NRK) cells. It is a 50% mixture of NRK cells and 4xλN22-3xmEGFP-M9 cells. NRK-4xlambdaN22-3xmEGFP-M9 cells express RNA,...

Organism Mouse

Tissue Kidney

Synonyms NRK 4xλN22-3xmEGFP-M9

Characteristics

Breed/Subspecies NRK, M9

Morphology Fibroblastic, epithelial

Growth properties Adherent, growth in DMEM

References

Citation NRK-4xlambdaN22-3xmEGFP-M9 (Accession Cytion 500672)

Biosafety level 1

NCBI_TaxID 10116

CellosaurusAccession CVCL_AV97

Depositor European Molecular Biology Laboratory (EMBL)

Genetic Information

Receptors expressed EGF, MSA

Product sheet

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Protein expression	4xλN22-3xmEGFP-M9: 937..1009, 1066..1138, 1194..1261, 1323..1390 / 1462..2176, 2179..2890, 2896..3612 mEGFP, 3612..3815 / M9-His, 5090..5884 / KanR/NeoR, 7195..584 / Pcmv
Products	M9-His BsrG1/HindIII, Neomycin, Phosphotransferase, CMV Promotor
XXXXXXXXXX	
Culture Medium	DMEM, w: 4.5 g/L XXXXXXXX, w: 4 mM L-XXXXXXX, w: 3.7 g/L NaHCO3, w: 1.0 mM XXXX XXXXXXXX (XXXX XXXXXXXX Cytion 820300a)
Supplements	XXXX XXXXXXXX 10% FBS, 0.5 μg/ml G418
Dissociation Reagent	XXXXXX
Subculturing	XX XXXXXXXX XX XXXXXXXX XXXX XXXXXXXX XX XXXXXXXX X-PBS. XX XXXXXXXX XXXXXXXX XXXXXXXX 0.025%/EDTA 0.02% XXXXXXXX XX XXX, XXXXXXXX X-37
Seeding density	2 x 4 x 10 ⁴ / XX
Fluid renewal	2 x 3 XXXXXXX XXXXXXX
Freeze medium	XXXXXX XXXXXXX XXXXXXX, XXX XXXXXXX XXXXXXX XXXXXXX XXX (XXXX FBS) + 10% DMSO XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX, XX C

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Thawing and Culturing Cells

1. Thaw the vial quickly in a water bath at 37°C. Do not let the vial sit at room temperature. Transfer the cells to a pre-warmed cell culture flask.
2. Add 5 ml of pre-warmed cell culture medium to the flask. Incubate at 37°C in 5% CO₂.
3. After 24 hours, check the cells under a microscope. If the cells are not attached, add another 5 ml of medium.
4. Once the cells are attached, change the medium to fresh pre-warmed cell culture medium.
5. Seed the cells into a 15 cm² flask at a density of 8 x 10⁵ cells per flask.
6. Incubate the cells at 37°C in 5% CO₂ until they reach 70% confluency.
7. Harvest the cells by trypsinization into 10 ml of pre-warmed cell culture medium.
8. Seed the cells into a 15 cm² flask at a density of 8 x 10⁵ cells per flask.

Incubation Atmosphere 37°C, 5% CO₂, humidified air

Flask Coating Cell culture medium, 10 minutes

Freezing Procedure Harvest cells into 10 ml of pre-warmed cell culture medium. Add 10% DMSO and freeze at -78°C.

Shipping Conditions Store at -78°C in a dry ice container.

Storage Conditions Store at -150°C in a liquid nitrogen container.

Genotype / HLA

Sterility The cells are free of mycoplasmas and PCR detectable. The cells are free of endotoxins.