

NCI-N87-Luc | 305695

General information

Description	NCI-N87-Luc is a luciferase-expressing derivative of the NCI-N87 cell line (T-DM1). NCI-N87-Luc is a luciferase-expressing derivative of the NCI-N87 cell line (BLI). NCI-N87-Luc is a luciferase-expressing derivative of the NCI-N87 cell line (BLI) that is stably transfected with the HER2 gene.
Organism	Human
Tissue	Neuroendocrine
Disease	Neuroendocrine tumor
Metastatic site	Neuroendocrine
Synonyms	NCCI-N87, NCI N87, NCI N87, NCI N87, NCI H87, H87, H-87, NCIN87

Characteristics

Age	Not applicable
Gender	Not applicable
Ethnicity	Not applicable
Morphology	Epithelial
Growth properties	Adherent

Additional information

Citation	NCI-N87-Luc (Cytion: 305695)
Biosafety level	1
NCBI_TaxID	9606

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CellosaurusAccession CVCL_1603

GMO Status GMO-S1: (Luc2)

Antigen expression Luc2 (██████████ ██████████ ██████████)

Tumorigenic ☒ ☒ ☒

XXXXXXXXXXXXXXXXXXXX

Culture Medium RPMI 1640 2.0 mM Glucose 2.0 mM NaHCO₃ (Sigma 820700a 2 mM)

Supplements 10% fetal bovine serum (FBS) 10 mM HEPES 2,5 mM / 1 mM

Dissociation 10 37 10

Reagent

Subculturing

Split ratio ☒ 1 ☐ 3

Seeding density 2  4 $\times$ 4 

Fluid renewal 2 3 4 5 6 7 8 9 10

Freeze medium α -MEM + 10% DMSO α -MEM + 10% DMSO α -MEM + 10% DMSO α -MEM + 10% DMSO α -MEM + 10% DMSO

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Thawing and
Culturing Cells

1. Thaw the cells in a water bath at 37°C. Transfer the cells to a 15 mL tube and add 10 mL of DMEM supplemented with 10% FBS. Centrifuge at 300 × g for 5 min. Remove the supernatant and resuspend the cells in 1 mL of DMEM supplemented with 10% FBS. Seed the cells into a 24-well plate (100,000 cells/well) and incubate for 24 h.
2. Remove the FBS and replace with DMEM supplemented with 1% FBS. Incubate for 24 h.
3. Remove the FBS and replace with DMEM supplemented with 1% FBS. Incubate for 24 h.
4. Remove the FBS and replace with DMEM supplemented with 1% FBS. Incubate for 24 h.
5. Remove the FBS and replace with DMEM supplemented with 1% FBS. Incubate for 24 h.
6. Remove the FBS and replace with DMEM supplemented with 1% FBS. Incubate for 24 h.
7. Remove the FBS and replace with DMEM supplemented with 1% FBS. Incubate for 24 h.

Incubation
Atmosphere

37 °C, 5% CO₂, humidified

Shipping
Conditions

Shipped in dry ice at -78 °C

Storage
Conditions

Store at -150 °C to -196 °C

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