

NCI-N87-Luc | 305695

General information

Description	NCI-N87-Luc is a luciferase-expressing cell line derived from NCI-N87 cells, which are a human neuroendocrine tumor cell line. The cells are characterized by their high tumorigenicity and ability to form metastases. The luciferase gene is integrated into the genome, allowing for bioluminescence imaging of the cells. The cells are maintained in DM1 medium.
Organism	Human
Tissue	Neuroendocrine
Disease	Neuroendocrine tumor
Metastatic site	NCI-N87-Luc
Synonyms	NCI-N87, NCI N87, N-87, NCI-H87, H87, H-87, NCIN87

Characteristics

Age	NCI-N87-Luc
Gender	NCI-N87-Luc
Ethnicity	NCI-N87-Luc
Morphology	NCI-N87-Luc
Growth properties	NCI-N87-Luc

Additional information

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

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CellosaurusAccession CVCL_1603

GMO Status GMO-S1: (Luc2,)

NCI-N87-Luc

Antigen expression Luc2 ()

Tumorigenic

Culture Medium RPMI 1640, w: 2.0 mM , w: 2.0 g/L NaHCO3 (Cytion 820700a)

Supplements % FBS, 10 " HEPES, 2.5 / , 1 "

Dissociation Reagent Accutase, 10 37°C

Subculturing 1-PBS 25, 3-5 " PBS, 3 . ,

Split ratio 1 3

Seeding density 2 x 10⁴ /

Fluid renewal 2 3

Freeze medium + 10% DMSO

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Thawing and
Culturing Cells

1. Remove the vial from the dry ice and thaw it quickly in a water bath at 37°C. Do not shake the vial. Remove the vial from the water bath and centrifuge at 400 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 ml of DMEM supplemented with 10% FBS. Seed the cells into a 24-well plate (150,000 cells per well) and incubate for 24 hours.
2. After 24 hours, replace the medium with DMEM supplemented with 10% FBS. After 24 hours, replace the medium with DMEM supplemented with 10% FBS. After 24 hours, replace the medium with DMEM supplemented with 10% FBS.
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Incubation
Atmosphere

37°C, 5% CO₂, humidified

Shipping
Conditions

Store at -78°C. Ship on dry ice. Do not thaw until ready to use.

Storage
Conditions

Store at -150°C. Do not thaw until ready to use.

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