

NG108-15 | 305844

NG108-15

Description	NG108-15 is a cell line derived from a human neuroblastoma cell line. It is characterized by its ability to differentiate into various cell types, including neurons and glial cells. The cell line is maintained in a serum-free medium and is used for studying the differentiation and function of neural cells.
Organism	Human
Tissue	Neuroblastoma
Disease	Neuroblastoma
Synonyms	NG108-15, NG-108-15, NG 108-15, NG10815

Characteristics

Morphology	Epithelial, rounded, 10-100 µm in diameter
Cell type	Neuroblastoma
Growth properties	Adherent, slow growing

Genetic information

Citation	NG108-15 (Cytion 305844)
Biosafety level	1
NCBI_TaxID	10090
CellosaurusAccession	CVCL_0464

Genetic information

Mutational profile	
--------------------	--

NG108-15 | 305844

NG108-15

Culture Medium

DMEM (GIBCO/Invitrogen, Cat. No. 12100-061, DMEM) supplemented with:

- 0.1 mM β -mercaptoethanol (Gibco)
- 400 IU/ml penicillin (Gibco)
- 0.016 mM streptomycin (Gibco)
- 10% FBS (Gibco)
- 1.5 g/L glucose

Dissociation Reagent

Trypsin

Seeding density

1 3×10^4 cells/cm²

Fluid renewal

2-3 times per week

Freeze medium

DMEM supplemented with 10% FBS and 10% DMSO (Gibco FBS) + 10% DMSO (Gibco DMSO) (Gibco FBS) + 10% DMSO (Gibco DMSO)

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C. Transfer cells to a sterile tube and centrifuge at 300 x g for 3 min. Remove supernatant and resuspend cells in 1 ml of DMEM.
2. Seed cells into a 25 cm² flask containing 10 ml of DMEM. Incubate at 37°C in 5% CO₂ until cells reach 70-80% confluency.
3. Perform a trypsin digest to harvest cells. Add 1 ml of trypsin to the flask and incubate for 5 min at 37°C. Add 5 ml of DMEM to stop the reaction and pipette the cells into a tube.
4. Centrifuge cells at 300 x g for 3 min. Resuspend cells in 1 ml of DMEM and count them.
5. Seed cells into a 25 cm² flask at a density of 3×10^4 cells/cm². Incubate at 37°C in 5% CO₂ until cells reach 70-80% confluency.
6. Perform a trypsin digest to harvest cells. Add 1 ml of trypsin to the flask and incubate for 5 min at 37°C. Add 5 ml of DMEM to stop the reaction and pipette the cells into a tube.
7. Centrifuge cells at 300 x g for 3 min. Resuspend cells in 1 ml of DMEM and count them.
8. Seed cells into a 25 cm² flask at a density of 3×10^4 cells/cm². Incubate at 37°C in 5% CO₂ until cells reach 70-80% confluency.

Incubation Atmosphere

37°C, 5% CO₂, humidified

NG108-15 | 305844

Shipping
Conditions

Shipping conditions: The product is shipped in a temperature-controlled container at -78°C .

Storage
Conditions

Storage conditions: Store at -150 to -196°C in a cryogenic storage container.

NG108-15 NG108-15 NG108-15 NG108-15

Sterility

The product is sterile and suitable for PCR applications. The product is packaged in a sterile container and is not intended for use in clinical applications.