

Nthy-ori 3-1 | 305606

General information

Description	Nthy-ori 3-1 is a human cell line derived from a neuroblastoma. It is characterized by its ability to differentiate into various cell types, including neurons, glial cells, and endocrine cells. The cell line is maintained in the presence of neurotrophic factors and is used for studying neuroblastoma biology and differentiation.
Organism	Human
Tissue	Neuroblastoma
Synonyms	Nthy ori 3.1, Nthy-ori 3.1, NTHY-ORI3.1, HTori-3.1

Characteristics

Age	35 years
Gender	Male
Ethnicity	German
Morphology	Epithelial cells
Cell type	Neuroblastoma cells
Growth properties	Adherent

Documentation and references

Citation	Nthy-ori 3-1 (ATCC CCL-269) Cytion: 305606
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_2659

Additional information

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Viruses SV40

Cell line

Culture Medium RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO₃ (Sigma 820700a + 100 mg/ml)

Supplements 10% FBS

Dissociation Reagent Trypsin

Seeding density 2-4 × 10⁴ cells/cm²

Fluid renewal 2-3 times per week

Freeze medium 10% FBS + 10% DMSO (10% FBS) + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells quickly in a 37°C water bath.
2. Centrifuge cells at 300 × g for 3 minutes.
3. Resuspend cells in 10 ml of culture medium.
4. Seed cells into a T75 flask at a density of 2-4 × 10⁴ cells/cm².
5. Incubate cells in a 37°C incubator with 5% CO₂.
6. Monitor cell growth and confluency.
7. Pass cells when they reach 70-80% confluency.
8. Split cells into new flasks using trypsin.

Incubation Atmosphere 37°C, 5% CO₂

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**Shipping
Conditions**

Shipped in dry ice, stored at -78 °C

**Storage
Conditions**

Store at -150 °C to -196 °C

Cell line, cell culture medium, cell culture reagents, cell culture conditions

Sterility

Not tested for mycoplasma contamination (PCR).
Not tested for mycoplasma contamination.