

Product sheet

**Neuro2a-Luc | 305690**

**Neuro2a-Luc**

**Description** Neuro-2a-Luc (Neuro-2a (N2a)) is a cell line derived from the embryonic stem (ES) cells of the mouse. It is a neuroblastoma cell line that expresses Neuro-2a (N2a) and Neuro-2a-Luc. Neuro-2a-Luc is a luciferase reporter gene that is expressed under the control of the Neuro-2a promoter. This cell line is used for studying the regulation of Neuro-2a expression and for screening for Neuro-2a inhibitors.

**Organism** Mouse

**Tissue** Neuroblastoma

**Disease** Neuroblastoma

**Synonyms** Neuro2A-Luc

**Characteristics**

**Gender** Male

**Cell type** Neuroblastoma

**Growth properties** Adherent

**References**

**Citation** Neuro-2a-Luc (Neuro-2a (N2a)) Cytion: 305690

**Biosafety level** 1

**NCBI\_TaxID** 10090

**CellSaurusAccession** CVCL\_K046

**Protein expression**

**Protein expression** Neuro-2a-Luc



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## Thawing and Culturing Cells

1. Thaw the vial quickly in a water bath at 37°C. Do not let the cells touch the bottom of the vial. Transfer the cells to a 15 mL centrifuge tube containing 10 mL of pre-warmed complete medium.
2. Centrifuge the cells at 300 x g for 5 minutes at 4°C. Remove the supernatant and resuspend the cell pellet in 1 mL of pre-warmed complete medium.
3. Seed the cells into a 24-well plate (1.5 x 10<sup>5</sup> cells per well) or a 96-well plate (1.5 x 10<sup>4</sup> cells per well) in complete medium. Incubate for 24 hours at 37°C with 5% CO<sub>2</sub>.
4. Remove the medium and replace it with fresh complete medium. Incubate for 72 hours at 37°C with 5% CO<sub>2</sub>.
5. Harvest the cells into lysis buffer. Store at -20°C until use.
6. Thaw the lysate at room temperature and centrifuge at 10,000 x g for 10 minutes at 4°C. Store the supernatant at -20°C.
7. Measure luciferase activity using a luminometer.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Shipping Conditions** Store at -78°C

**Storage Conditions** Store at -150°C for 196 weeks

Neuro2a-Luc / Neuro2a-Luc / HLA