

Product sheet

LN229 | 305043

Cell Line

**Description** LN229 is a cell line derived from a 60-year-old male patient with glioblastoma multiforme (GBM). The cell line is characterized by its high growth rate and its ability to form neurospheres. It is a highly tumorigenic cell line that is sensitive to p53 inhibitors (TP53), and is resistant to cisplatin (CCT (Pro)) and cyclophosphamide (CTT (Leu)). LN229 cells are highly sensitive to Fas-mediated apoptosis.

**Organism** Human

**Tissue** Brain, Glioblastoma, Glioblastoma multiforme

**Disease** Glioblastoma

**Synonyms** LN 229, LN229, LNT-229

Cell Line Characteristics

**Age** 60 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Epithelial

**Growth properties** High growth rate

Cell Line Identification

**Citation** LN229 (Cell Line) Cytion 305043

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_0393

Cell Line Source

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Cell Line

**Culture Medium** DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO3, w: 1.0 mM beta-mercaptoethanol (Cytion 820300a)

**Supplements** 10% FBS

**Dissociation Reagent** Trypsin

**Doubling time** 31 hours

**Subculturing** Seed cells into T25 flasks with 5-10 ml of medium. When cells reach 70-80% confluency, dissociate with trypsin and seed into 3-5 flasks with 2-3 ml of medium.

**Fluid renewal** 2-3 times per week

**Freeze medium** DMEM + 10% FBS + 10% DMSO

Thawing and Culturing Cells

- 1. Thaw cells in a 37°C water bath.
- 2. Dilute cells into fresh medium.
- 3. Seed cells into T25 flasks.
- 4. Allow cells to attach.
- 5. Change medium after 24 hours.
- 6. Seed cells into 300 x 300 mm flasks.
- 7. Allow cells to reach confluency.
- 8. Harvest cells.

**Incubation Atmosphere** 37°C, 5% CO2

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Flask Coating

Flask coating is not required for this product.

Freezing Procedure

For freezing, the product should be diluted in a suitable medium and stored at -78°C.

Shipping Conditions

The product is shipped in a dry ice container and should be stored at -78°C.

Storage Conditions

The product should be stored at -150 to -196°C in a suitable container.

HLA / HLA

Sterility

The product is sterile and ready for use in PCR applications.

The product is not sterile and should be sterilized before use.