

Product sheet

RT-112 | 300324

General information

<b>Description</b>	RT-112 (300324) is a cell line derived from a patient with a high-grade glioma. It is a neuroblastoma cell line. 1976
<b>Organism</b>	Human
<b>Tissue</b>	Brain
<b>Disease</b>	Neuroblastoma
<b>Synonyms</b>	RT 112, RT112

Characteristics

<b>Age</b>	1976
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Morphology</b>	Neuroblastoma
<b>Growth properties</b>	Neuroblastoma

Identification

<b>Citation</b>	RT-112 (300324) (300324)
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_1670

Genetic information

<b>Protein expression</b>	P53 (4)(5)(6)(7)(8)(8)(13)(17)(18)(19)
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<b>Isoenzymes</b>	HEK293T
<b>MSI-status</b>	Wild-type (MSS)
<b>Characteristics</b>	
<b>Culture Medium</b>	RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO <sub>3</sub> (Gibco 820700a)
<b>Supplements</b>	10% FBS
<b>Dissociation Reagent</b>	Trypsin
<b>Subculturing</b>	Cells are grown in 25 cm <sup>2</sup> flasks in RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO <sub>3</sub> + 10% FBS. Cells are passaged when they reach 70-80% confluency.
<b>Split ratio</b>	A ratio of 1:4 to 1:8 is recommended
<b>Seeding density</b>	1 × 10 <sup>5</sup> cells
<b>Fluid renewal</b>	2-3 times per week
<b>Post-Thaw Recovery</b>	50% recovery after 24-48 hours
<b>Freeze medium</b>	DMEM + 10% FBS + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Do not vortex. Transfer the cells to a pre-warmed tube.
2. Add 1 mL of complete medium to the tube. Centrifuge at 300 x g for 3 minutes. Remove the supernatant and wash the cells with 1 mL of PBS. Centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium.
3. Seed the cells into a 24-well plate (37°C, 5% CO<sub>2</sub>). The cells should reach 70% confluency within 7-8 days.
4. Harvest the cells into a 15 mL tube. Spin at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium.
5. Seed the cells into a 24-well plate (37°C, 5% CO<sub>2</sub>). The cells should reach 70% confluency within 7-8 days.
6. Harvest the cells into a 15 mL tube. Spin at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium.
7. Seed the cells into a 24-well plate (37°C, 5% CO<sub>2</sub>). The cells should reach 70% confluency within 7-8 days.
8. Harvest the cells into a 15 mL tube. Spin at 300 x g for 5 minutes. Remove the supernatant and resuspend the cells in 1 mL of complete medium.

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

Flask Coating

Flask coating information.

**Freezing Procedure** Freezing procedure information.

Shipping Conditions

Shipping conditions information.

**Storage Conditions** Storage conditions information.

RT-112 / RT-112 / HLA

**Sterility** Sterility information.

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XXXXXXXXXXXXXXXXSTRAmelogenin: x,y

**CSF1PO:** 10,11  
**D13S317:** 13,14  
**D16S539:** 11,13  
**D5S818:** 10,13  
**D7S820:** 12,11  
**TH01:** 7  
**TPOX:** 8,11  
**vWA:** 14,17  
**D3S1358:** 15  
**D21S11:** 27,3  
**D18S51:** 15  
**Penta E:** 12,16  
**Penta D:** 10,11  
**D8S1179:** 13,15  
**FGA:** 23

XXXXXXXX HLA

**A\*:** '26:01:01  
**B\*:** '27:05:02  
**C\*:** '01:02:01  
**DRB1\*:** '01:01:01  
**DQA1\*:** '01:01:01  
**DQB1\*:** '05:01:01  
**DPB1\*:** '01:01:01  
**E:** '01:01:01