

GL261 | 305225

GL261

Description	GL261 is a murine glioma cell line derived from a C57BL/6 mouse. It is a highly invasive, undifferentiated, and highly proliferative cell line. GL261 cells are characterized by their ability to form large, solid, and necrotic tumors in mice. GL261 cells are highly tumorigenic and can be used for studying glioma biology and for testing anti-glioma therapies. GL261 cells are highly invasive and can migrate through the blood-brain barrier. GL261 cells are highly proliferative and can form large, solid, and necrotic tumors in mice. GL261 cells are highly tumorigenic and can be used for studying glioma biology and for testing anti-glioma therapies. GL261 cells are highly invasive and can migrate through the blood-brain barrier.
Organism	Murine
Tissue	Brain
Disease	Glioma
Synonyms	GL261, GLIOMA 261, Glioma-261, GL-261

Characteristics

Breed/Subspecies	C57BL/6
Growth properties	Adherent

Media and supplements

Citation	GL261 (Cytion 305225)
Biosafety level	1
NCBI_TaxID	10090
CellSaurusAccession	CVCL_Y003

Media and supplements

Media

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 sodium pyruvate (Cytion 820300a)
Supplements	10% FBS

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Dissociation
Reagent

Trypsin

Subculturing

Cells are dissociated using trypsin. Cells are seeded in α -PBS or α -PBS + 10% FBS. Cells are incubated at 37°C for 24-48 hours. Cells are then harvested and counted.

Fluid renewal

2 to 3 times per week

Freeze
medium

Freezing medium: α -PBS + 10% FBS + 10% DMSO. Cells are seeded in freezing medium and incubated at 37°C for 24-48 hours.

Thawing and
Culturing Cells

1. Cells are thawed in a water bath at 37°C. Cells are then seeded in α -PBS or α -PBS + 10% FBS.
2. Cells are incubated at 37°C for 24-48 hours. Cells are then harvested and counted.
3. Cells are then seeded in α -PBS or α -PBS + 10% FBS. Cells are incubated at 37°C for 24-48 hours.
4. Cells are then harvested and counted. Cells are then seeded in α -PBS or α -PBS + 10% FBS.
5. Cells are then incubated at 37°C for 24-48 hours. Cells are then harvested and counted.
6. Cells are then seeded in α -PBS or α -PBS + 10% FBS. Cells are incubated at 37°C for 24-48 hours.
7. Cells are then harvested and counted. Cells are then seeded in α -PBS or α -PBS + 10% FBS.
8. Cells are then incubated at 37°C for 24-48 hours. Cells are then harvested and counted.

Incubation
Atmosphere

37°C, 5% CO_2 , humidified

Flask Coating

Not required

Freezing
Procedure

Cells are seeded in freezing medium and incubated at 37°C for 24-48 hours. Cells are then harvested and counted.

Shipping
Conditions

Cells are shipped in freezing medium at -78°C.

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Abstract

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