

U-87 MG | 300367

General information

Description	U87MG, is a highly tumorigenic cell line, which is derived from a glioblastoma multiforme (GBM) tumor. It is a highly invasive and aggressive cell line, which is characterized by its ability to form spheroids in culture. U87MG is a highly tumorigenic cell line, which is derived from a glioblastoma multiforme (GBM) tumor. It is a highly invasive and aggressive cell line, which is characterized by its ability to form spheroids in culture. U87MG is a highly tumorigenic cell line, which is derived from a glioblastoma multiforme (GBM) tumor. It is a highly invasive and aggressive cell line, which is characterized by its ability to form spheroids in culture. U87MG is a highly tumorigenic cell line, which is derived from a glioblastoma multiforme (GBM) tumor. It is a highly invasive and aggressive cell line, which is characterized by its ability to form spheroids in culture.
Organism	Human
Tissue	Brain
Disease	Glioblastoma multiforme
Synonyms	U-87MG, U87 MG, U-87-MG, U87-MG, U-87 MG, U-87, U87, 87 MG, 87MG

Cell characteristics

Age	44 days
Gender	Male
Ethnicity	Caucasian
Morphology	Epithelial cells
Growth properties	Adherent

Cell line identification

Citation	U87MG (Cytion 300367)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0022

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Cell Line: U-87 MG

Isoenzymes	Me-2, 1, PGM3, 1, PGM1, 2, ES-D, 1, AK-1, 1, GLO-1, 1, G6PD, B
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Tumorigenic	Yes, tumorigenic in nude mice. LD50: 107 cells
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Cell Line: U-87 MG

Culture Medium	EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO3, w: EBSS (Cytion 820100a)
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Supplements	10% FBS 1% NEAA
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Dissociation Reagent	Trypsin
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Subculturing	Cells are grown in 25 cm ² flasks in EMEM medium supplemented with 10% FBS and 1% NEAA. Cells are passaged when they reach 80-90% confluency. Cells are trypsinized and resuspended in 10 ml of EMEM medium supplemented with 10% FBS and 1% NEAA. Cells are seeded into new flasks at a density of 4 x 10 ⁴ cells per flask.
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Seeding density	4 x 10 ⁴ cells / flask
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Freeze medium	EMEM medium supplemented with 10% FBS and 1% NEAA, 50% FBS + 40% DMSO, CM-1 (Cytion 800100), 10% DMSO
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**Thawing and
Culturing Cells**

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
2. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
3. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
4. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
5. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
6. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
7. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。
8. 将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。

**Incubation
Atmosphere**

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

**Freezing
Procedure**

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。

**Shipping
Conditions**

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。

**Storage
Conditions**

将细胞悬液加入含有培养基的细胞培养瓶中，轻轻混匀，然后将培养瓶置于37°C CO₂培养箱中培养。

细胞特性

Sterility

细胞悬液经PCR检测，无DNA污染。细胞悬液经PCR检测，无DNA污染。细胞悬液经PCR检测，无DNA污染。

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HLA

A*: 02:01:01

B*: '44:02:01

C*: 05:01:01

DRB1*: 15:01:01

DQA1*: 01:02:01

DQB1*: 06:02:01

DPB1*: 06:01:01

E: 01:01:01