

U-251 MG | 300385

General information

Description	U-251 MG is a human glioblastoma cell line (GBM) derived from a 75-year-old male patient. It is a highly aggressive, undifferentiated, and highly proliferative cell line. U-251 MG cells are characterized by their high tumorigenicity, ability to form spheroids, and resistance to apoptosis. They express various markers associated with glioblastoma, including TP53, EGFR, and CD133.
Organism	Human
Tissue	Brain
Disease	Glioblastoma
Synonyms	U-251MG, U-251-MG, U-251_MG, U251-MG, U251MG, U-251, U251, U251n, U251N, 251 MG, 251MG

Cell characteristics

Age	75 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent

Cell culture conditions

Citation	U-251 MG (Cytion 300385)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0021

Cell culture media

Protein expression

□□□□ □ GFAP □□□□□□□□

Tumorigenic

SMRV: [REDACTED], [REDACTED] [REDACTED] [REDACTED] PCR [REDACTED] [REDACTED]

XXXXXXXXXX

Culture Medium

DMEM, w: 4.5 g/L β -glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO₃, w: 1.0 mM β -mercaptoethanol (Sigma) (Gibco Cytion 820300a)

Supplements

[illegible]

Dissociation Reagent

XXXXXXXXXX

Doubling time

24 □□□□

Subculturing

[illegible]

Seeding density

$$1 \times 10^4 \frac{\text{m}^2}{\text{s}}$$

Fluid renewal

2 3

Post-Thaw Recovery

XXXX, XXX 24 XXXX

Freeze medium

Cell Culture: Cells were grown in DMEM supplemented with 10% FBS + 10% DMSO, CM-1 (Cytochrome C), or CM-2.

- [illegible]

Sterility

[illegible]

Product sheet

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HLA

A*: 02:01:01

B*: 18:01:01

C*: 05:01:01

DRB1*: 03:01:01

DQA1*: 05:xx

DQB1*: 02:01:01

DPB1*: 04:02:01

E: 01:03:01