

Resource Summary Report

Generated by [NIF](#) on Aug 10, 2026

U-373MG ATCC

RRID:CVCL_2219

Type: Cell Line

Proper Citation

RRID:CVCL_2219

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2219

Proper Citation: RRID:CVCL_2219

Description: Cell line U-373MG ATCC is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Male

Disease: Astrocytoma

Defining Citation: [PMID:450131](#), [PMID:833871](#), [PMID:2253244](#), [PMID:3518877](#), [PMID:6220172](#), [PMID:6260907](#), [PMID:6582512](#), [PMID:8858520](#), [PMID:9220028](#), [PMID:9230885](#), [PMID:9842975](#), [PMID:10074188](#), [PMID:10402232](#), [PMID:10416987](#), [PMID:11351043](#), [PMID:11414198](#), [PMID:14614447](#), [PMID:14655754](#), [PMID:16232199](#), [PMID:16697959](#), [PMID:17595512](#), [PMID:20215515](#), [PMID:20593219](#), [PMID:21406405](#), [PMID:22282976](#), [PMID:22570425](#), [PMID:26496030](#)

Comments: Population: Caucasian., Problematic cell line: Misidentified/contaminated. Shown to be a U-251MG derivative. This cell line is not the original astrocytoma cell line established in 1973 at the University of Uppsala. See U-373MG Uppsala (Cellosaurus=CVCL_2818) for the original U-373MG cell line..

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: U-373MG ATCC

Synonyms: U-373MG, U373 MG, U-373-MG, U-373 MG, U373-MG, U373MG, U373, 373 MG, 373MG

Cross References: BTO:BTO_0002126, CLO:CLO_0009460, CLO:CLO_0009461, EFO:EFO_0001255, CLDB:cl4587, CLDB:cl4589, CLDB:cl4964, ATCC:HTB-17,

cancercelllines:CVCL_2219, CCLV:CCLV-RIE 0675, CGH-DB:320-1, ChEMBL-Cells:ChEMBL3307474, ChEMBL-Cells:ChEMBL3886101, ChEMBL-Targets:ChEMBL615024, Cosmic:687589, Cosmic:849849, Cosmic:850825, Cosmic:920819, Cosmic:970093, Cosmic:1066236, Cosmic:1171226, Cosmic:1175824, Cosmic:1217674, Cosmic:1294952, Cosmic:1610742, Cosmic:2367504, Cosmic:2491105, Cosmic:2701087, ECACC:89081403, GEO:GSM101681, GEO:GSM101682, GEO:GSM827314, GEO:GSM1638667, IARC_TP53:2576, IZSLER:BS TCL 89, JCRB:NIHS0295, KCLB:30017, LINCS_LDP:LCL-1360, Lonza:334, Lonza:1006, MetaboLights:MTBLS4708, NCBI_Iran:C455, PRIDE:PXD000430, PRIDE:PXD031569, Progenetix:CVCL_2219, PubChem_Cell_line:CVCL_2219, TOKU-E:3660, Wikidata:Q54973575

ID: CVCL_2219

Hierarchy: cvcl_0021

Record Creation Time: 20220427T221639+0000

Record Last Update: 20260809T003048+0000

Ratings and Alerts

No rating or validation information has been found for U-373MG ATCC.

Warning: Problematic cell line: Misidentified/contaminated. Shown to be a U-251MG derivative. This cell line is not the original astrocytoma cell line established in 1973 at the University of Uppsala. See U-373MG Uppsala (CVCL_2818) for the original U-373MG cell line.

Registration: International Cell Line Authentication Committee, Register of Misidentified Cell Lines; ICLAC-00295.

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Population: Caucasian., Problematic cell line: Misidentified/contaminated. Shown to be a U-251MG derivative. This cell line is not the original astrocytoma cell line established in 1973 at the University of Uppsala. See U-373MG Uppsala (Cellosaurus=CVCL_2818) for the original U-373MG cell line..

Data and Source Information

Usage and Citation Metrics

We found 632 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Beckner ME, et al. (2025) Cell Settling, Migration, and Stochastic Cancer Gene Expression Suggest Potassium Membrane Flux May Initiate pH Reversal. *Biomolecules*, 15(8).

Landi D, et al. (2025) A Checkpoint Reversal Receptor Mediates Bipartite Activation and Enhances CAR T-cell Function. *Cancer research communications*, 5(3), 527.

Lado-Fernández P, et al. (2025) Transcriptional repression of SOX2 by p53 in cancer cells regulates cell identity and migration. *International journal of cancer*, 157(5), 980.

Cornelissen FMG, et al. (2025) Combined Inactivation of MEK and mTOR Can Lead to Synergistic Cell Death in Glioblastoma Models and Associates with NF1 Deficiency and a Mesenchymal Subtype. *Molecular cancer therapeutics*, 24(12), 1878.

Galluzzo A, et al. (2025) The anti-aging Klotho protects glioblastoma macrophages from radiotherapy-induced inflammation and predicts immunotherapy response. *International journal of cancer*, 157(10), 2156.

Huang Z, et al. (2025) Glioblastoma-derived migrasomes promote migration and invasion by releasing PAK4 and LAMA4. *Communications biology*, 8(1), 91.

Leszczynska KB, et al. (2024) H2A.Z histone variants facilitate HDACi-dependent removal of H3.3K27M mutant protein in pediatric high-grade glioma cells. *Cell reports*, 43(2), 113707.

Malovic E, et al. (2024) Epitranscriptomic reader YTHDF2 regulates SEK1(MAP2K4)-JNK-cJUN inflammatory signaling in astrocytes during neurotoxic stress. *iScience*, 27(9), 110619.

Kobayashi N, et al. (2024) Identification of a strong genetic risk factor for major depressive disorder in the human virome. *iScience*, 27(3), 109203.

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Kalavacharla A, et al. (2023) Atypical patterns of human cytomegalovirus infection and spread in U373 glioblastoma cells. *Virus research*, 330, 199112.

Pirota V, et al. (2023) cRGD-Functionalized Silk Fibroin Nanoparticles: A Strategy for Cancer Treatment with a Potent Unselective Naphthalene Diimide Derivative. *Cancers*, 15(6).

Clementi ME, et al. (2023) S100B Expression Plays a Crucial Role in Cytotoxicity, Reactive Oxygen Species Generation and Nitric Oxide Synthase Activation Induced by Amyloid β -Protein in an Astrocytoma Cell Line. *International journal of molecular sciences*, 24(6).

Toledano S, et al. (2023) Plexin-A2 enables the proliferation and the development of tumors from glioblastoma derived cells. *Cell death & disease*, 14(1), 41.

Miki K, et al. (2023) Induction of glioblastoma cell ferroptosis using combined treatment with chloramphenicol and 2-deoxy-D-glucose. *Scientific reports*, 13(1), 10497.

Turri M, et al. (2023) Plasma and cerebrospinal fluid cholesterol esterification is hampered in Alzheimer's disease. *Alzheimer's research & therapy*, 15(1), 95.

Ianiro G, et al. (2023) Iron Saturation Drives Lactoferrin Effects on Oxidative Stress and Neurotoxicity Induced by HIV-1 Tat. *International journal of molecular sciences*, 24(9).

Tao X, et al. (2023) UBE2T promotes glioblastoma malignancy through ubiquitination-mediated degradation of RPL6. *Cancer science*, 114(2), 521.

Yuzhakova DV, et al. (2023) Development of a 3D Tumor Spheroid Model from the Patient's Glioblastoma Cells and Its Study by Metabolic Fluorescence Lifetime Imaging. *Sovremennye tekhnologii v meditsine*, 15(2), 28.

Wilson KM, et al. (2023) HIV Nef Expression Down-modulated GFAP Expression and Altered Glutamate Uptake and Release and Proliferation in Astrocytes. *Aging and disease*, 14(1), 152.