

Resource Summary Report

Generated by [dkNET](#) on Sep 1, 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: 20260830T000147+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.. **Warning:** Discontinued: ECACC; 89081403

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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 [dkNET](#) .

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.

Ikari N, et al. (2024) Mieap forms membrane-less organelles involved in cardiolipin metabolism. *iScience*, 27(2), 108916.

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.

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).

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.

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

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.