

Resource Summary Report

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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)

Sex: Male

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: Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Deep exome analysis., Omics: Array-based CGH., 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

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, cancercellines: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, NCBI_Iran:C455, PRIDE:PXD000430, PRIDE:PXD031569, Progenetix:CVCL_2219, PubChem_Cell_line:CVCL_2219, TOKU-E:3660, Wikidata:Q54973575

ID: CVCL_2219

Record Creation Time: 20250131T202832+0000

Record Last Update: 20250131T204825+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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Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Deep exome analysis., Omics: Array-based CGH., 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

Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Deep exome analysis., Omics: Array-based CGH., 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: ATCC; HTB-17

Omics: Transcriptome analysis by RNAseq., Omics: Transcriptome analysis by microarray., Omics: SNP array analysis., Omics: Deep exome analysis., Omics: Array-based CGH.,

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

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 625 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

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.

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.

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.

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).

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.

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.

Tao X, et al. (2023) UBE2T promotes glioblastoma malignancy through ubiquitination-

mediated degradation of RPL6. *Cancer science*, 114(2), 521.

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.

Wei J, et al. (2023) Hypoxia-Induced Autophagy Is Involved in Radioresistance via HIF1A-Associated Beclin-1 in Glioblastoma Multiforme. *Heliyon*, 9(1), e12820.

Fernández-Acosta R, et al. (2023) Molecular Mechanisms of Nemorosone-Induced Ferroptosis in Cancer Cells. *Cells*, 12(5).

Fanunza E, et al. (2023) Human cytomegalovirus mediates APOBEC3B relocalization early during infection through a ribonucleotide reductase-independent mechanism. *bioRxiv* : the preprint server for biology.

Hanif F, et al. (2023) miR-3174 Is a New Tumor Suppressor MicroRNA That Inhibits Several Tumor-Promoting Genes in Glioblastoma. *International journal of molecular sciences*, 24(11).

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. *Sovremennyye tekhnologii v meditsine*, 15(2), 28.

Luo Z, et al. (2023) Polyphyllin VI screened from Chonglou by cell membrane immobilized chromatography relieves inflammatory pain by inhibiting inflammation and normalizing the expression of P2X3 purinoceptor. *Frontiers in pharmacology*, 14, 1117762.

Xu XQ, et al. (2023) Herpes Simplex Virus 1-Induced Ferroptosis Contributes to Viral Encephalitis. *mBio*, 14(1), e0237022.

Sadeghi N, et al. (2023) Cell Surface Vimentin Detection in Cancer Cells by Peptide-Based Monoclonal Antibody. *Avicenna journal of medical biotechnology*, 15(2), 68.