

Resource Summary Report

Generated by [NIF](#) on Sep 21, 2026

RPMI-7951

RRID:CVCL_1666

Type: Cell Line

Proper Citation

RRID:CVCL_1666

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_1666

Proper Citation: RRID:CVCL_1666

Description: Cell line RPMI-7951 is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Melanoma

Defining Citation: [PMID:833871](#), [PMID:1161259](#), [PMID:3335022](#), [PMID:11668190](#), [PMID:12068308](#), [PMID:15467732](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:22460905](#), [PMID:23285177](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:26589293](#), [PMID:27397505](#), [PMID:30894373](#), [PMID:31068700](#), [PMID:31395879](#), [PMID:31978347](#), [PMID:35839778](#)

Comments: Population: Caucasian., Part of: TCGA-110-CL cell line panel., Part of: PTEN genetic alteration cell panel (ATCC TCP-1030)., Part of: ENCODE project common cell types; tier 3., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Part of: BRAF genetic alteration cell panel (ATCC TCP-1032).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: RPMI-7951

Synonyms: RPMI 7951, RPMI7951, Roswell Park Memorial Institute 7951

Cross References: BTO:BTO_0003508, CLO:CLO_0008877, EFO:EFO_0005712, CLDB:cl4187, 4DN:4DNSRQW8GWCI, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ATCC:HTB-66, BCRC:60274, BioGRID_ORCS_Cell_line:384, BioSample:SAMN03471611,

BioSample:SAMN03473473, BioSample:SAMN10987964, cancercellines:CVCL_1666, Cell_Model_Passport:SIDM01087, CGH-DB:9320-4, ChEMBL-Cells:ChEMBL3307962, ChEMBL-Targets:ChEMBL612447, Cosmic:687439, Cosmic:905233, Cosmic:910903, Cosmic:933001, Cosmic:1022287, Cosmic:1303050, Cosmic:1507596, Cosmic:2233666, Cosmic-CLP:910903, DepMap:ACH-000348, DSMZ:ACC-66, DSMZCellDive:ACC-66, EGA:EGAS00001000610, EGA:EGAS00001000978, ENCODE:ENCBS262AAA, ENCODE:ENCBS457YHI, ENCODE:ENCBS493TPA, GDSC:910903, GEO:GSM206540, GEO:GSM274689, GEO:GSM827474, GEO:GSM887547, GEO:GSM888630, GEO:GSM1670388, IARC_TP53:13321, IARC_TP53:27231, KCLB:30066, LiGeA:CCLE_303, LINCS_LDP:LCL-1254, NCI-DTP:RPMI-7951, PharmacDB:RPMI7951_1326_2019, PRIDE:PXD022992, PRIDE:PXD030304, Progenetix:CVCL_1666, PubChem_Cell_line:CVCL_1666, Wikidata:Q54951235

ID: CVCL_1666

Record Creation Time: 20220427T221507+0000

Record Last Update: 20260920T005621+0000

Ratings and Alerts

No rating or validation information has been found for RPMI-7951.

Warning: Discontinued: KCLB; 30066

Population: Caucasian., Part of: TCGA-110-CL cell line panel., Part of: PTEN genetic alteration cell panel (ATCC TCP-1030)., Part of: ENCODE project common cell types; tier 3., Part of: COSMIC cell lines project., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE)., Part of: BRAF genetic alteration cell panel (ATCC TCP-1032).

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Johns E, et al. (2025) The Lipid Droplet Protein DHRS3 Is a Regulator of Melanoma Cell State. Pigment cell & melanoma research, 38(1), e13208.

Dunlap KN, et al. (2025) SLC7A5 is required for cancer cell growth under arginine-limited conditions. Cell reports, 44(1), 115130.

Lang PA, et al. (2025) Optimized arenaviruses with tumor-tropic mutations promote safe anti-tumor efficacy via sustainable immune modulatory properties. Cell reports. Medicine, 6(10), 102411.

Paun RA, et al. (2025) Liposome-Polymer Nanoparticles Loaded with Copper Diethyldithiocarbamate and 6-Bromo-Indirubin-3'-Oxime Enable the Treatment of Refractive Melanoma. *Small* (Weinheim an der Bergstrasse, Germany), 21(24), e2409012.

Chang J, et al. (2025) Antagonistic roles for MITF and TFE3 in melanoma plasticity. *Cell reports*, 44(4), 115474.

Boulton DP, et al. (2024) MIRO2 promotes cancer invasion and metastasis via MYO9B suppression of RhoA activity. *Cell reports*, 44(1), 115120.

van Vliet AA, et al. (2023) Early TRAIL-engagement elicits potent multimodal targeting of melanoma by CD34+ progenitor cell-derived NK cells. *iScience*, 26(7), 107078.

Luo X, et al. (2022) Profiling of diverse tumor types establishes the broad utility of VHL-based ProTaCs and triages candidate ubiquitin ligases. *iScience*, 25(3), 103985.

Mo X, et al. (2022) Systematic discovery of mutation-directed neo-protein-protein interactions in cancer. *Cell*, 185(11), 1974.

Campbell NR, et al. (2021) Cooperation between melanoma cell states promotes metastasis through heterotypic cluster formation. *Developmental cell*, 56(20), 2808.

Errington TM, et al. (2021) Experiments from unfinished Registered Reports in the Reproducibility Project: Cancer Biology. *eLife*, 10.

Monzo P, et al. (2021) Adaptive mechanoproperties mediated by the formin FMN1 characterize glioblastoma fitness for invasion. *Developmental cell*, 56(20), 2841.

Zaman A, et al. (2021) Exocyst protein subnetworks integrate Hippo and mTOR signaling to promote virus detection and cancer. *Cell reports*, 36(5), 109491.

Maitituoheti M, et al. (2020) Enhancer Reprogramming Confers Dependence on Glycolysis and IGF Signaling in KMT2D Mutant Melanoma. *Cell reports*, 33(3), 108293.

Deng W, et al. (2019) WNT1-inducible signaling pathway protein 1 (WISP1/CCN4) stimulates melanoma invasion and metastasis by promoting the epithelial-mesenchymal transition. *The Journal of biological chemistry*, 294(14), 5261.

Dix CL, et al. (2018) The Role of Mitotic Cell-Substrate Adhesion Re-modeling in Animal Cell Division. *Developmental cell*, 45(1), 132.

Xu J, et al. (2018) GPR68 Senses Flow and Is Essential for Vascular Physiology. *Cell*, 173(3), 762.