

Resource Summary Report

Generated by [RRID](#) on Sep 9, 2026

T-47D

RRID:CVCL_0553

Type: Cell Line

Proper Citation

RRID:CVCL_0553

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0553

Proper Citation: RRID:CVCL_0553

Description: Cell line T-47D is a Cancer cell line with a species of origin Homo sapiens (Human)

Sex: Female

Disease: Invasive breast carcinoma of no special type

Defining Citation: [PMID:228940](#), [PMID:1961733](#), [PMID:8562478](#), [PMID:8824553](#), [PMID:9331090](#), [PMID:9671407](#), [PMID:9815641](#), [PMID:10700174](#), [PMID:10862037](#), [PMID:11044355](#), [PMID:11343771](#), [PMID:11414198](#), [PMID:11416159](#), [PMID:11687795](#), [PMID:12353263](#), [PMID:12661003](#), [PMID:12800145](#), [PMID:15748285](#), [PMID:15767549](#), [PMID:16142302](#), [PMID:16397213](#), [PMID:16417655](#), [PMID:16541312](#), [PMID:17088437](#), [PMID:17157791](#), [PMID:17254797](#), [PMID:18277095](#), [PMID:18516279](#), [PMID:19372543](#), [PMID:19582160](#), [PMID:19593635](#), [PMID:19727395](#), [PMID:20070913](#), [PMID:20164919](#), [PMID:20215515](#), [PMID:21378333](#), [PMID:21912889](#), [PMID:22068913](#), [PMID:22347499](#), [PMID:22384151](#), [PMID:22460905](#), [PMID:22585861](#), [PMID:22628656](#), [PMID:23151021](#), [PMID:23325432](#), [PMID:23601657](#), [PMID:23671654](#), [PMID:23856246](#), [PMID:23933261](#), [PMID:24009699](#), [PMID:24094812](#), [PMID:24162158](#), [PMID:24176112](#), [PMID:24279929](#), [PMID:24456987](#), [PMID:24670534](#), [PMID:25485619](#), [PMID:25877200](#), [PMID:25960936](#), [PMID:26589293](#), [PMID:27377824](#), [PMID:27378269](#), [PMID:27397505](#), [PMID:27807467](#), [PMID:28196595](#), [PMID:28287265](#), [PMID:28889351](#), [PMID:29718670](#), [PMID:30787054](#), [PMID:30894373](#), [PMID:30971826](#), [PMID:31068700](#), [PMID:31733513](#), [PMID:31978347](#), [PMID:32576280](#), [PMID:34320349](#), [PMID:35839778](#), [PMID:38861359](#)

Comments: Population: Caucasian., Part of: NCI-7 clinical proteomics reference material cell line panel., Part of: NCI-60 cancer cell line panel., Part of: MD Anderson Cell Lines Project., Part of: KuDOS 95 cell line panel., Part of: JWGray breast cancer cell line panel., Part of: JFCR45 cancer cell line panel., Part of: ICBP43 breast cancer cell line panel., Part of: Human Protein Atlas, Cell Atlas panel., 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).

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: T-47D

Synonyms: T-47-D, T47-D, T47D:A, T47D

Cross References: BTO:BTO_0001248, CLO:CLO_0009251, EFO:EFO_0001247, MCCL:MCC:0000454, CLDB:cl4454, CLDB:cl4455, CLDB:cl4923, 4DN:4DNSRULKRD7P, ABM:T8987, AddexBio:C0006001/69, ArrayExpress:E-MTAB-783, ArrayExpress:E-MTAB-2706, ArrayExpress:E-MTAB-2770, ArrayExpress:E-MTAB-3610, ArrayExpress:E-TABM-157, ArrayExpress:E-TABM-244, ATCC:HTB-133, BCRC:60250, BCRJ:0323, BioGRID_ORCS_Cell_line:198, BioSample:SAMN03472872, BioSample:SAMN05292455, BioSample:SAMN07710019, BioSample:SAMN07710020, BioSample:SAMN07710021, BioSample:SAMN07710022, BioSample:SAMN07710023, BioSample:SAMN07710024, BioSample:SAMN07710025, BioSample:SAMN10987684, cancercellines:CVCL_0553, CCRID:1101HUM-PUMC000265, CCRID:3101HUMTCHu87, CCRID:4201HUM-CCTCC00045, CCTCC:GDC0045, Cell_Model_Passport:SIDM00097, ChEMBL-Cells:ChEMBL3307606, ChEMBL-Targets:ChEMBL614361, CLS:300353, Cosmic:687500, Cosmic:755296, Cosmic:871150, Cosmic:875882, Cosmic:877451, Cosmic:894091, Cosmic:897428, Cosmic:904395, Cosmic:905945, Cosmic:934538, Cosmic:944295, Cosmic:947353, Cosmic:949193, Cosmic:979711, Cosmic:991330, Cosmic:997925, Cosmic:1000126, Cosmic:1010918, Cosmic:1017169, Cosmic:1018470, Cosmic:1019311, Cosmic:1027050, Cosmic:1044203, Cosmic:1044220, Cosmic:1046942, Cosmic:1047715, Cosmic:1092641, Cosmic:1136342, Cosmic:1152529, Cosmic:1175835, Cosmic:1176629, Cosmic:1287901, Cosmic:1289418, Cosmic:1305387, Cosmic:1308999, Cosmic:1312373, Cosmic:1434958, Cosmic:1524350, Cosmic:1565732, Cosmic:1603226, Cosmic:1609473, Cosmic:1995658, Cosmic:1998484, Cosmic:2162162, Cosmic:2165027, Cosmic:2301534, Cosmic:2318373, Cosmic:2437466, Cosmic:2560247, Cosmic:2564833, Cosmic:2668277, Cosmic:2750524, Cosmic-CLP:905945, DepMap:ACH-000147, DSMZ:ACC-739, DSMZCellDive:ACC-739, ECACC:85102201, EGA:EGAS00001000610, EGA:EGAS00001000978, ENCODE:ENCBS323FFY, ENCODE:ENCBS440ENC, ENCODE:ENCBS441ENC, ENCODE:ENCBS442ENC, ENCODE:ENCBS597ENC, ENCODE:ENCBS598ENC, ENCODE:ENCBS599ENC, ENCODE:ENCBS600ENC, ENCODE:ENCBS601ENC, ENCODE:ENCBS602ENC, ENCODE:ENCBS603ENC, ENCODE:ENCBS604ENC, ENCODE:ENCBS610MSM, ENCODE:ENCBS620AAA, ENCODE:ENCBS622AAA, ENCODE:ENCBS624AAA, ENCODE:ENCBS625AAA, ENCODE:ENCBS626AAA, ENCODE:ENCBS627AAA, ENCODE:ENCBS754KLC, ENCODE:ENCBS805DMB, ENCODE:ENCBS816QUZ, ENCODE:ENCBS943ULT, ENCODE:ENCBS979PGB, GDSC:905945, GEO:GSM818, GEO:GSM2098, GEO:GSM50185, GEO:GSM50249, GEO:GSM69196, GEO:GSM73762, GEO:GSM115116, GEO:GSM149980, GEO:GSM149988, GEO:GSM149996, GEO:GSM186461, GEO:GSM186462, GEO:GSM186463, GEO:GSM217605, GEO:GSM274651, GEO:GSM274652, GEO:GSM274664, GEO:GSM344358, GEO:GSM344408, GEO:GSM350514, GEO:GSM378141, GEO:GSM388215, GEO:GSM421894, GEO:GSM459712, GEO:GSM481305, GEO:GSM559637, GEO:GSM750782, GEO:GSM783929, GEO:GSM799322, GEO:GSM799385,

GEO:GSM816673, GEO:GSM827326, GEO:GSM839035, GEO:GSM844714, GEO:GSM844715, GEO:GSM844716, GEO:GSM847164, GEO:GSM847440, GEO:GSM847507, GEO:GSM887685, GEO:GSM888777, GEO:GSM923428, GEO:GSM923429, GEO:GSM923431, GEO:GSM923436, GEO:GSM967820, GEO:GSM1008576, GEO:GSM1008919, GEO:GSM1053715, GEO:GSM1153391, GEO:GSM1172904, GEO:GSM1173000, GEO:GSM1181243, GEO:GSM1181259, GEO:GSM1214577, GEO:GSM1238136, GEO:GSM1374950, GEO:GSM1374951, GEO:GSM1374952, GEO:GSM1401654, GEO:GSM1670521, GEO:GSM1833628, GEO:GSM2124689, GEO:GSM7701426, GEO:GSM7701444, Hysigen:TCH-C353, IARC_TP53:98, IBRC:C10103, ICLC:HTL98003, KCB:KCB 2011116YJ, KCLB:30133, LiGeA:CCLE_903, LINCS_HMS:50541, LINCS_LDP:LCL-1486, Lonza:748, NCBI_Iran:C203, NCI-DTP:T-47D, PharmacDB:T47D_1559_2019, PRIDE:PXD002104, PRIDE:PXD003539, PRIDE:PXD005390, PRIDE:PXD005942, PRIDE:PXD005946, PRIDE:PXD030304, Progenetix:CVCL_0553, PubChem_Cell_line:CVCL_0553, SKY/M-FISH/CGH:2824, SLKBase:3622, TOKU-E:3260, TOKU-E:3775, Wikidata:Q54971341

ID: CVCL_0553

Hierarchy: cvcl_3945

Record Creation Time: 20220427T221617+0000

Record Last Update: 20260905T182527+0000

Ratings and Alerts

No rating or validation information has been found for T-47D.

No alerts have been found for T-47D.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 4062 mentions in open access literature.

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

Nayak S, et al. (2026) Discovery of BMS-986365, a First-in-Class Dual Androgen Receptor Ligand-Directed Degradar and Antagonist, for the Treatment of Advanced Prostate Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(1), 224.

Bonechi F, et al. (2026) ESR1-Activating Mutations Confer Metabolic Vulnerabilities in ER+ Breast Cancer. Cancer research, 86(3), 679.

M??ller J, et al. (2026) GLYATL1 is associated with metabolic and epigenetic changes and with endocrine resistance in luminal breast cancer. Clinical epigenetics, 18(1).

Li K, et al. (2026) The GATA3-RFPL3-ASK1 axis suppresses breast cancer growth and lung metastasis. *Apoptosis : an international journal on programmed cell death*, 31(4).

Christenson JL, et al. (2026) Metastasis-Associated Wound Repair Promotes Reciprocal Lung Epithelium Activation and Breast Cancer Metastatic Outgrowth. *Cancer research communications*, 6(4), 750.

Nandi D, et al. (2026) Spermine Oxidase Serves as a Key Functional Node in Microbial Dysbiosis-Induced Breast Carcinogenesis. *Cancer research*, 86(8), 1920.

Yang J, et al. (2026) CircKIAA1617 promotes stemness via USP14/PGRMC1-mediated autophagy and lipid metabolism reprogramming in ER-positive breast cancer. *Molecular cancer*, 25(1).

Bakchi B, et al. (2026) Synthesis, Biological Evaluation, and In Silico Analysis of Benzothiazolyl-Furano Thiazolidinones as Tubulin Polymerization Inhibitors. *Chemistry & biodiversity*, 23(6), e71423.

Przanowska R, et al. (2026) IL-6R blockade with tocilizumab disrupts pericyte- and tumor cell-driven IL-6/STAT3 signaling, enhancing docetaxel efficacy in ER+ breast cancer. *bioRxiv : the preprint server for biology*.

Ohashi T, et al. (2026) ZSTK3744, a Novel Aryl Hydrocarbon Receptor Agonist, Exhibits Efficacy against Chemotherapy-Resistant Triple-Negative Breast Cancer. *Cancer research communications*, 6(2), 421.

Alzoubi SM, et al. (2026) Anti-Cancer and Immunomodulatory Activities of *Prangos ferulacea* (L.) Lindl. (APIACEAE) Extracts: An In Vitro and In Vivo Study. *Integrative cancer therapies*, 25, 15347354251413219.

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Boyer T, et al. (2026) Immunosuppressive myeloid cells induce mesenchymal-like breast cancer stem cells by a membrane-bound TGF- β 1-dependent mechanism. *Cell reports*, 45(7), 117568.

Liu S, et al. (2026) RET signaling as a mediator of estrogen receptor positive breast cancer brain metastasis. *Communications biology*.

Ortega-Ivarez D, et al. (2026) Discovery and Evaluation of Biomarkers for Triple-Negative Breast Cancer Subtypes Uncovers Patient Stratification and Targeted Therapeutic Strategies. *Cancer research*, 86(10), 2360.

Venkatesh J, et al. (2026) LINC01929 mediates breast cancer immunosuppression and is an immunotherapy target. *iScience*, 29(4), 115381.

Nallagonda S, et al. (2026) Design, Synthesis, and Characterization of Novel 1,3,4-Thiadiazole-Benzo[b]Oxepine Derivatives: Study of Their Antiproliferative Activity, Docking, DFT, and ADME-T Properties. *Chemistry & biodiversity*, 23(3), e03136.

Kump A, et al. (2026) Opposing roles of DGAT-mediated lipid droplet biogenesis in the regulation of ferroptosis sensitivity. The FEBS journal.

Koellisch K, et al. (2026) Distinct 2-phenylimidazo[1,2-a]pyridine derivatives that inhibit breast cancer cell proliferation identified as AHR ligands. iScience, 29(6), 115936.

Koul S, et al. (2026) Mapping the Subtype-Specific PARP1 ADP-ribosylated Proteome in Breast Cancer Cells. Molecular cancer research : MCR.