Resource Summary Report

Generated by RRID on Sep 7, 2026

MCF10DCIS.com

RRID:CVCL_5552
Type: Cell Line

Proper Citation

RRID:CVCL_5552

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_5552

Proper Citation: RRID:CVCL_5552

Description: Cell line MCF10DCIS.com is a Transformed cell line with a species of origin Homo sapiens (Human)

Sex: Female

Defining Citation: PMID:10904098, PMID:18455123, PMID:23401782, PMID:25485619, PMID:34238275

Comments: Characteristics: Derived from a xenograft originating from MCF-10AT cells that were injected into severe combined immune-deficient mice.

Category: Transformed cell line

Organism: Homo sapiens (Human)

Name: MCF10DCIS.com

Synonyms: MCF10DCIS.COM, MCF10ADCIS.com, MCF10A-DCIS.com, MCF10DCIS, MCFDCIS, DCIS.COM, DCIS

Cross References: EFO:EFO_0006643, ArrayExpress:E-MTAB-2706, cancercelllines:CVCL_5552, Cosmic:1219447, EGA:EGAS00001000610, GEO:GSM271345, GEO:GSM271398, Lonza:1619, MetaboLights:MTBLS669, PharmacoDB:MCF10DCIS_com_892_2019, Progenetix:CVCL_5552, Wikidata:Q54904447

ID: CVCL_5552

Hierarchy: cvcl_5555

Record Creation Time: 20220427T220752+0000

Record Last Update: 20260905T181115+0000

Ratings and Alerts

No rating or validation information has been found for MCF10DCIS.com.

No alerts have been found for MCF10DCIS.com.

Data and Source Information

Source: Cellosaurus

Usage and Citation Metrics

We found 23 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Hajirahimkhan A, et al. (2026) Reprogramming SREBP1-dependent lipogenesis and inflammation in high-risk breast with licochalcone A: A novel path to cancer prevention. International journal of cancer, 158(7), 1927.

Cando LF, et al. (2026) Targeting microRNA let-7b-5p-mediated aberrant androgen receptor signaling for prevention of hormone receptor-negative breast cancer. NPJ breast cancer.

Kiliti AJ, et al. (2026) An AIB1 isoform rewires glucocorticoid receptor signaling to promote TNBC progression. iScience, 29(2), 114768.

Schmidtmann MG, et al. (2025) Ancestry-linked stromal variations impact breast epithelial cell invasion. iScience, 28(6), 112686.

Rahhal R, et al. (2025) TEAD inhibition alters the lung immune microenvironment and attenuates metastasis. bioRxiv : the preprint server for biology.

Marohl T, et al. (2025) PCSK5M452I is a recessive hypomorph exclusive to MCF10DCIS.com cells. Molecular cancer research : MCR.

Bu X, et al. (2025) Cell crowding activates pro-invasive mechanotransduction pathway in high-grade DCIS via TRPV4 inhibition and cell volume reduction. eLife, 13.

Sakthivel K, et al. (2025) Integrin-Piezo1 Axis Drives ECM Remodeling and Invasion of 3D Breast Epithelium. Advanced science (Weinheim, Baden-Wurttemberg, Germany), e09932.

Eduardo MB, et al. (2025) A metabolic shift to the serine pathway induced by lipids fosters epigenetic reprogramming in nontransformed breast cells. Science advances, 11(12), eads9182.

Habanjar O, et al. (2024) The obese inflammatory microenvironment may promote breast DCIS progression. Frontiers in immunology, 15, 1384354.

Moragas N, et al. (2024) The SEMA3F-NRP1/NRP2 axis is a key factor in the acquisition of invasive traits in in situ breast ductal carcinoma. Breast cancer research : BCR, 26(1), 122.

Treekitkarnmongkol W, et al. (2024) Epigenetic activation of SOX11 is associated with recurrence and progression of ductal carcinoma in situ to invasive breast cancer. British journal of cancer, 131(1), 171.

Yuan M, et al. (2023) Loss of ANCO1 Expression Regulates Chromatin Accessibility and Drives Progression of Early-Stage Triple-Negative Breast Cancer. International journal of molecular sciences, 24(14).

Peuhu E, et al. (2022) MYO10-filopodia support basement membranes at pre-invasive tumor boundaries. Developmental cell, 57(20), 2350.

Sharif GM, et al. (2022) Real-Time Detection and Capture of Invasive Cell Subpopulations from Co-Cultures. Journal of visualized experiments : JoVE(181).

Ma L, et al. (2021) Inflammation Mediates the Development of Aggressive Breast Cancer Following Radiotherapy. Clinical cancer research : an official journal of the American Association for Cancer Research, 27(6), 1778.

Peck B, et al. (2021) 3D Functional Genomics Screens Identify CREBBP as a Targetable Driver in Aggressive Triple-Negative Breast Cancer. Cancer research, 81(4), 847.

Shan NL, et al. (2020) Analysis of the Transcriptome: Regulation of Cancer Stemness in Breast Ductal Carcinoma In Situ by Vitamin D Compounds. Cancer prevention research (Philadelphia, Pa.), 13(8), 673.

Ramadori G, et al. (2020) FKBP10 Regulates Protein Translation to Sustain Lung Cancer Growth. Cell reports, 30(11), 3851.

Fattet L, et al. (2020) Matrix Rigidity Controls Epithelial-Mesenchymal Plasticity and Tumor Metastasis via a Mechanoresponsive EPHA2/LYN Complex. Developmental cell, 54(3), 302.