

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

MCF-7:2A

RRID:CVCL_4Y53

Type: Cell Line

Proper Citation

RRID:CVCL_4Y53

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_4Y53

Proper Citation: RRID:CVCL_4Y53

Description: Cell line MCF-7:2A 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:7780972](#), [PMID:8600466](#), [PMID:24604139](#)

Comments: Caution: There is confusion in the literature between estrogen-independent MCF-7:2A (Cellosaurus=CVCL_4Y53), L-mimosine-resistant MCF-7/2a (Cellosaurus=CVCL_0412) and EREwtcluc transfected MCF-7-2a (Cellosaurus=CVCL_4Y54)., Characteristics: Estrogen independent. Derived from the parental cell line through long-term estrogen deprivation (PubMed=7780972)., Population: Caucasian.

Category: Cancer cell line

Organism: Homo sapiens (Human)

Name: MCF-7:2A

Cross References: cancercellines:CVCL_4Y53, Wikidata:Q54904399

ID: CVCL_4Y53

Hierarchy: cvcl_0031

Record Creation Time: 20220427T220751+0000

Record Last Update: 20260829T234554+0000

Ratings and Alerts

No rating or validation information has been found for MCF-7:2A.

No alerts have been found for MCF-7:2A.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Cyrus K, et al. (2021) Role of calcium in hormone-independent and -resistant breast cancer. International journal of cancer, 149(10), 1817.