

MCF10A | 305026

Description

MCF10A is a cell line derived from a primary mammary epithelial cell line. It is characterized by its ability to form mammary-like structures in culture. The cell line is derived from a 36-year-old female patient with ductal carcinoma in situ (DCIS). MCF10A cells are highly proliferative and express markers characteristic of mammary epithelial cells, including keratins 8, 18, and 19. The cell line is maintained in DMEM/F12 medium supplemented with insulin, transferrin, selenium, and hydrocortisone. MCF10A cells are widely used in research to study mammary cancer biology and drug response.

Organism

Human

Tissue

Mammary gland

Synonyms

MCF-10A, MCF 10A, MCF.10A, MCF.10A, MCF10A, MCF10-A, MCF10a, MCF10A, MCF-10 Attached, Michigan Cancer Foundation-10A

Age

36 years

Gender

Female

Morphology

Epithelial

Growth properties

Adherent

Citation

MCF10A (ATCC CRL-1073) | 305026

Biosafety level

1

NCBI_TaxID

9606

CellosaurusAccession

CVCL_0598

