

MDA-MB-468 | 300279

Cell Line Information

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description     | MDA-MB-468 is a human breast adenocarcinoma cell line. It is a highly metastatic, hormone-independent, and HER2-negative cell line. MDA-MB-468 cells are characterized by their ability to form mammary xenografts in nude mice. The cell line is derived from a primary tumor of a 51-year-old African American female. MDA-MB-468 cells are highly sensitive to endocrine therapy and are used as a model for studying breast cancer progression and treatment response. |
| Organism        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Tissue          | Breast                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Disease         | Breast Cancer                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Metastatic site | Metastatic                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Synonyms        | MDA-MB 468, MDA-MB468, MDAMB468, MDA-468, MDA468, MB468, MD Anderson-Metastatic Breast-468                                                                                                                                                                                                                                                                                                                                                                                 |

Cell Line Characteristics

|                   |                  |
|-------------------|------------------|
| Age               | 51               |
| Gender            | Female           |
| Ethnicity         | African American |
| Morphology        | Epithelial       |
| Growth properties | Adherent         |

Cell Line Identification

|                      |                                         |
|----------------------|-----------------------------------------|
| Citation             | MDA-MB-468 (ATCC CCL-222) Cytion 300279 |
| Biosafety level      | 1                                       |
| NCBI_TaxID           | 9606                                    |
| CellosaurusAccession | CVCL_0419                               |

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**Culture Medium** DMEM:Ham's F12 (1:1), w: 3.1 / , w: 2.5 L-, w: 15 HEPES, w: 0.5

**Supplements** FBS 10%

**Dissociation Reagent**

**Subculturing** PBS T25

**Fluid renewal** 2 3

**Freeze medium** ( FBS) + 10% DMSO

- Thawing and Culturing Cells**
- 1.
  2. cryovial -150
  3. 37°C
  4. 70%
  5. 15
  6. 300 x g 3
  7. 10
  - 8.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>,

**Flask Coating**

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Freezing  
Procedure

Shipping  
Conditions

Storage  
Conditions

-150 -196 °C

Sterility

PCR