

Product sheet

**MDA-kb2 | 305108**

**Product Information**

**Description** MDA-kb2 (MDA-kb2) is a cell line derived from a patient with metastatic breast cancer. It is characterized by its ability to form mammary gland-like structures in culture. The cell line is maintained in DMEM/F12 medium supplemented with insulin, transferrin, selenium, and prolactin. It is a highly tumorigenic cell line that can be used for studying breast cancer biology and drug response.

**Organism** Human

**Tissue** Mammary gland, Adipose tissue

**Disease** Breast cancer

**Metastatic site** Lung, Liver, Bone

**Synonyms** MDA-MB-231, MDA-MB-231-Luc

**Characteristics**

**Age** 48 years

**Gender** Female

**Morphology** Epithelial

**Growth properties** Adherent

**Applications**

**Citation** MDA-kb2 (MDA-kb2) Cytion 305108

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_6421

**GMO Status** GMO-S1: MDA-kb2 (MDA-kb2)-Luc

Product sheet

**MDA-kb2 | 305108**

**Product description**

**Protein expression**  $\beta$ -Galactosidase-Luc MMTV

**Cell line**

**Culture Medium** DMEM:Ham's F12 (1:1), w: 3.1 mg/ml Insulin, w: 2.5 mg/ml Transferrin, w: 15 mg/ml Selenium, w: 0.5 mg/ml HEPES, w: 0.5 mg/ml

**Supplements** FBS 10%

**Dissociation Reagent** Trypsin

**Subculturing** PBS, T25

**Fluid renewal** 2-3 times

**Freeze medium** DMEM:Ham's F12 (1:1), FBS (10%) + 10% DMSO

**Thawing and Culturing Cells**

1. Thaw cells in a 37°C water bath.
2. Add 100  $\mu$ l cryovial to 10 ml DMEM:Ham's F12 (1:1) + 10% FBS.
3. Incubate cells in a 37°C water bath for 10 minutes.
4. Add 100  $\mu$ l cells to a 70% confluence well.
5. Incubate cells in a 37°C water bath for 15 minutes.
6. Add 300  $\mu$ g/ml insulin, 3  $\mu$ g/ml transferrin, 15  $\mu$ g/ml selenium.
7. Incubate cells in a 37°C water bath for 10 minutes.
8. Add 10  $\mu$ g/ml  $\beta$ -Galactosidase-Luc.

