

Product sheet

MDA-kb2 | 305108

Product information

Description MDA-kb2 is a cell line derived from a human mammary carcinoma. It is characterized by its ability to form mammary-like structures in culture. The cells are stably transfected with a luciferase gene (a-Luc) under the control of a mammary-specific promoter. This construct allows for the detection and quantification of mammary-specific gene expression in the cells. MDA-kb2 cells are highly proliferative and are used as a model for studying mammary cancer biology and for testing anti-cancer therapies.

Organism Human

Tissue Mammary gland

Disease Breast cancer

Metastatic site Mammary gland

Synonyms MDA-Kb2

Cell characteristics

Age 48 days

Gender Male

Morphology Epithelial

Growth properties Adherent

Documentation

Citation MDA-kb2 (ATCC CCL-222) | Cytion: 305108

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_6421

GMO Status GMO-S1: MDA-kb2 (MDA-kb2) cells stably transfected with a luciferase gene («firefly-Luc») under the control of a mammary-specific promoter.

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Cell Line

Protein expression firefly-Luc MMTV

Media

Culture Medium L-15 2.0 0.55 NaHCO3

Supplements 10% FBS

Dissociation Reagent

Subculturing PBS

Fluid renewal 2-3

Freeze medium FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Wash cells with PBS.
4. Resuspend cells in 70% FBS.
5. Seed cells into a 15 cm dish.
6. Incubate cells for 8 days.
7. Harvest cells.
8. Store cells.

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Incubation Atmosphere 37 °C, 5% CO₂

Shipping Conditions Store at -150 °C to -196 °C. Do not thaw. Shipping temperature: -78 °C.

Storage Conditions Store at -150 °C to -196 °C. Do not thaw.

MDA-kb2 / HLA

Sterility Sterile. Suitable for PCR.