

MDA-MB-175-VII | 305825

General information

Description	MDA-MB-175-VII is a cell line derived from a 56-year-old female patient with metastatic breast cancer. The cell line is characterized by its high growth rate and its ability to form colonies in soft agar. MDA-MB-175-VII is a highly metastatic cell line that has been extensively studied in vitro and in vivo. It is a member of the MDA-MB-175 family of cell lines, which are characterized by their high growth rate and their ability to form colonies in soft agar. MDA-MB-175-VII is a highly metastatic cell line that has been extensively studied in vitro and in vivo. It is a member of the MDA-MB-175 family of cell lines, which are characterized by their high growth rate and their ability to form colonies in soft agar. MDA-MB-175-VII is a highly metastatic cell line that has been extensively studied in vitro and in vivo. It is a member of the MDA-MB-175 family of cell lines, which are characterized by their high growth rate and their ability to form colonies in soft agar.
Organism	Human
Tissue	Breast
Disease	Metastatic breast cancer
Metastatic site	Metastatic breast cancer
Synonyms	MDA MB 175 VII, MDA-MB-175VII, MDAMB175VII, MDA-MB-175, MDAMB175, MDA-175, MDA175, MD Anderson-Metastatic Breast-175-VII

Characteristics

Age	56 years
Gender	Female
Ethnicity	White
Morphology	Epithelial
Cell type	Epithelial
Growth properties	High growth rate

Additional information

Citation	MDA-MB-175VII (Cytion 305825)
Biosafety level	1

CellosaurusAccession	CVCL_1400
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Tumorigenic

Karyotype $46,XY,del(1)(p11),del(1)(p13),del(1)(p15),del(1)(p21),del(1)(p22),del(1)(p23),del(1)(p24),del(1)(p25),del(1)(p26),del(1)(p27),del(1)(p28),del(1)(p29),del(1)(p30),del(1)(p31),del(1)(p32),del(1)(p33),del(1)(p34),del(1)(p35),del(1)(p36),del(1)(p37),del(1)(p38),del(1)(p39),del(1)(p40),del(1)(p41),del(1)(p42),del(1)(p43),del(1)(p44),del(1)(p45),del(1)(p46),del(1)(p47),del(1)(p48),del(1)(p49),del(1)(p50),del(1)(p51),del(1)(p52),del(1)(p53),del(1)(p54),del(1)(p55),del(1)(p56),del(1)(p57),del(1)(p58),del(1)(p59),del(1)(p60),del(1)(p61),del(1)(p62),del(1)(p63),del(1)(p64),del(1)(p65),del(1)(p66),del(1)(p67),del(1)(p68),del(1)(p69),del(1)(p70),del(1)(p71),del(1)(p72),del(1)(p73),del(1)(p74),del(1)(p75),del(1)(p76),del(1)(p77),del(1)(p78),del(1)(p79),del(1)(p80),del(1)(p81),del(1)(p82),del(1)(p83),del(1)(p84),del(1)(p85),del(1)(p86),del(1)(p87),del(1)(p88),del(1)(p89),del(1)(p90),del(1)(p91),del(1)(p92),del(1)(p93),del(1)(p94),del(1)(p95),del(1)(p96),del(1)(p97),del(1)(p98),del(1)(p99),del(1)(p100)$

Supplements α MEM 10% FBS + α MEM (5 μ g/ml)

Doubling time 112 ☒☒☒☒

Freeze medium α MEM, 10% FBS + 10% DMSO

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Thawing and
Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C. Do not allow the cells to warm to room temperature. Remove the cells from the water bath and centrifuge at 300 x g for 3 minutes. Discard the supernatant and resuspend the cells in 10 ml of complete medium. Seed the cells into a T25 flask.
2. Incubate the cells at 37°C in 5% CO₂. The cells should reach confluence within 7-10 days.
3. Once the cells are confluent, they can be used for experiments or passaged. To passage the cells, trypsinize them and seed them into a new flask.
4. The cells should be maintained in complete medium. They can be passaged every 3-4 days.
5. The cells can be frozen for long-term storage. To freeze the cells, trypsinize them and resuspend them in 1 ml of freezing medium. Seed the cells into a cryovial and freeze them at -80°C.
6. The cells can be stored at -80°C for up to 12 months. To thaw the cells, place the cryovial in a water bath at 37°C and thaw them quickly.
7. Once the cells are thawed, centrifuge them at 300 x g for 3 minutes. Discard the supernatant and resuspend the cells in 10 ml of complete medium. Seed the cells into a T25 flask.
8. Incubate the cells at 37°C in 5% CO₂. The cells should reach confluence within 7-10 days.

Incubation
Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Not required

Freezing
Procedure

Thaw the cells quickly in a water bath at 37°C. Do not allow the cells to warm to room temperature. Remove the cells from the water bath and centrifuge at 300 x g for 3 minutes. Discard the supernatant and resuspend the cells in 10 ml of complete medium. Seed the cells into a T25 flask.

Shipping
Conditions

Thaw the cells quickly in a water bath at 37°C. Do not allow the cells to warm to room temperature. Remove the cells from the water bath and centrifuge at 300 x g for 3 minutes. Discard the supernatant and resuspend the cells in 10 ml of complete medium. Seed the cells into a T25 flask.

Storage
Conditions

Thaw the cells quickly in a water bath at 37°C. Do not allow the cells to warm to room temperature. Remove the cells from the water bath and centrifuge at 300 x g for 3 minutes. Discard the supernatant and resuspend the cells in 10 ml of complete medium. Seed the cells into a T25 flask.

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Sterility

Thaw the cells quickly in a water bath at 37°C. Do not allow the cells to warm to room temperature. Remove the cells from the water bath and centrifuge at 300 x g for 3 minutes. Discard the supernatant and resuspend the cells in 10 ml of complete medium. Seed the cells into a T25 flask.