

Product sheet

SHZ-88 | 305209

SHZ-88

Description	SHZ-88 is a cell line derived from a human breast cancer cell line (MCF-7) and is characterized by its ability to form mammary-like structures in vitro. It is a highly proliferative, epithelial cell line that is sensitive to anti-estrogen therapy. SHZ-88 cells are typically grown in DMEM supplemented with 10% FBS.
Organism	Human
Tissue	Breast
Disease	Breast Cancer

SHZ-88

Gender	Female
Morphology	Epithelial
Growth properties	Adherent

SHZ-88

Citation	SHZ-88 (ATCC CCL-109) Cytion 305209
NCBI_TaxID	10116
CellosaurusAccession	CVCL_7163

SHZ-88

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Culture Medium	RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO3 (ATCC 30-20) Cytion 820700a
Supplements	10% FBS
Dissociation Reagent	Trypsin

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Subculturing

Remove cells from the flask by adding 5 ml of PBS and gently pipetting. Transfer cells to a T25 flask containing 3 ml of medium. Add 1 ml of trypsin to the flask and incubate for 5 minutes at 37°C. Add 1 ml of 10% FBS to stop the trypsin and pipette the cells into a new flask.

Freeze medium

Remove cells from the flask by adding 5 ml of PBS and gently pipetting. Transfer cells to a T25 flask containing 3 ml of medium. Add 1 ml of trypsin to the flask and incubate for 5 minutes at 37°C. Add 1 ml of 10% FBS to stop the trypsin and pipette the cells into a new flask.

Thawing and Culturing Cells

1. Thaw the vial in a 37°C water bath. Transfer the cells to a T25 flask containing 3 ml of medium. Add 1 ml of trypsin to the flask and incubate for 5 minutes at 37°C. Add 1 ml of 10% FBS to stop the trypsin and pipette the cells into a new flask.
2. Add 1 ml of 10% FBS to the flask and incubate for 24 hours at 37°C. After 24 hours, remove the FBS and replace it with fresh medium.
3. After 24 hours, remove the FBS and replace it with fresh medium. Add 1 ml of trypsin to the flask and incubate for 5 minutes at 37°C. Add 1 ml of 10% FBS to stop the trypsin and pipette the cells into a new flask.
4. Add 1 ml of 10% FBS to the flask and incubate for 24 hours at 37°C. After 24 hours, remove the FBS and replace it with fresh medium.
5. Add 1 ml of 10% FBS to the flask and incubate for 24 hours at 37°C. After 24 hours, remove the FBS and replace it with fresh medium.
6. Add 1 ml of 10% FBS to the flask and incubate for 24 hours at 37°C. After 24 hours, remove the FBS and replace it with fresh medium.
7. Add 1 ml of 10% FBS to the flask and incubate for 24 hours at 37°C. After 24 hours, remove the FBS and replace it with fresh medium.
8. Add 1 ml of 10% FBS to the flask and incubate for 24 hours at 37°C. After 24 hours, remove the FBS and replace it with fresh medium.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Not required

Freezing Procedure

Remove cells from the flask by adding 5 ml of PBS and gently pipetting. Transfer cells to a T25 flask containing 3 ml of medium. Add 1 ml of trypsin to the flask and incubate for 5 minutes at 37°C. Add 1 ml of 10% FBS to stop the trypsin and pipette the cells into a new flask.

Shipping Conditions

Store cells at -78°C in a dry ice container. Ship cells in a dry ice container.

Storage Conditions

Store cells at -150°C in a liquid nitrogen container. Store cells for up to 196 days.

SHZ-88 / SHZ-88 / HLA

Sterility

SHZ-88 is a sterile, disposable PCR plate. It is made of polypropylene and is suitable for PCR applications. The plate is designed to be used in a PCR thermocycler. The plate is sterile and ready to use. The plate is made of polypropylene and is suitable for PCR applications. The plate is designed to be used in a PCR thermocycler. The plate is sterile and ready to use.