

BC-3C | 305246

Cell Line

Description	BC3c is a human breast cancer cell line derived from a primary tumor. It is characterized by high tumorigenicity, growth in soft agar, and resistance to anoikis. The cell line is positive for estrogen receptor (ER) and HER2/neu. It is a good model for studying breast cancer biology and drug response.
Organism	Human
Tissue	Breast
Disease	Breast cancer
Synonyms	BC3c

Characteristics

Age	82 years
Gender	Female
Ethnicity	White
Growth properties	Adherent

Genetic Information

Citation	BC-3C (Cytion: 305246)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1958

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Culture Medium McCoy's 5a, w: 3.0 g/L $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 0.05 g/L $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$, w: 2.0 mM $\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$, w: 2.2 g/L NaHCO_3 (Cytion 820200a)

Supplements 10% FBS

Dissociation Reagent Accutase, 20 min, 37°C;

Doubling time ~25–30 days

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

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C. Transfer the cells to a sterile tube and centrifuge at 300 x g for 5 min. Remove the supernatant and resuspend the cells in α -MEM + 10% FBS.
2. Seed cells into a 25 cm² flask containing 50 ml of α -MEM + 10% FBS. Incubate at 37°C, 5% CO₂.
3. Once cells have reached confluence, remove the medium and replace with α -MEM + 10% FBS.
4. Harvest cells by trypsinization. Seed cells into a 25 cm² flask containing 50 ml of α -MEM + 10% FBS.
5. Once cells have reached confluence, remove the medium and replace with α -MEM + 10% FBS.
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7. Once cells have reached confluence, remove the medium and replace with α -MEM + 10% FBS.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Shipping Conditions

Cells are shipped in a dry ice container at -78°C.

Storage Conditions

Cells can be stored in liquid nitrogen at -150°C for up to 196 days.

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