

AU565 | 305313

Cell Line

Description	AU565 is a human breast cancer cell line that is highly sensitive to HER2-targeted therapy. It is a derivative of the T47D cell line, which is a human breast cancer cell line that is highly sensitive to HER2-targeted therapy. AU565 cells are characterized by their high sensitivity to HER2-targeted therapy, which is a key feature of this cell line. AU565 cells are highly sensitive to HER2-targeted therapy, which is a key feature of this cell line. AU565 cells are highly sensitive to HER2-targeted therapy, which is a key feature of this cell line.
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Organism	Human
Tissue	Breast
Disease	Breast cancer
Metastatic site	Metastatic to lung, liver, and bone
Synonyms	AU-565, AU 565

Cell Line Characteristics

Age	43 years
Gender	Female
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Highly sensitive to HER2-targeted therapy

Cell Line Identification

Citation	AU565 (Cytion 305313)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1074

Receptors expressed	EGFR, ErbB2, ErbB3, ErbB4 (EGF)
Oncogenes	Her2/neu+ (ErbB2), her3+, her4+, p53+
Mutational profile	TP53, p.Arg175His (c.524G>A), EGFR

Culture Medium	RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO ₃ (Cytion 820700a)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Subculturing	Cells are grown in T25 flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach confluence, they are trypsinized and seeded into new flasks. The medium is changed every 3-5 days.
Fluid renewal	1. Remove old medium. 2. Add fresh medium.
Freeze medium	DMEM supplemented with 10% FBS + 10% DMSO

细胞AU565 | 305313

**Thawing and
Culturing Cells**

1. 将细胞冻存管放入37°C水浴中快速解冻，解冻后将细胞悬液转移至含有10 mL完全培养基的细胞培养瓶中，轻轻混匀。
2. 将细胞悬液接种至含有10 mL完全培养基的细胞培养瓶中，轻轻混匀。将细胞培养瓶置于37°C、5% CO₂的培养箱中培养。
3. 细胞接种后，每天观察细胞生长情况。当细胞达到80%汇合度时，可进行传代。
4. 将细胞悬液接种至含有10 mL完全培养基的细胞培养瓶中，轻轻混匀。将细胞培养瓶置于37°C、5% CO₂的培养箱中培养。
5. 将细胞悬液接种至含有10 mL完全培养基的细胞培养瓶中，轻轻混匀。将细胞培养瓶置于37°C、5% CO₂的培养箱中培养。
6. 将细胞悬液接种至含有10 mL完全培养基的细胞培养瓶中，轻轻混匀。将细胞培养瓶置于37°C、5% CO₂的培养箱中培养。
7. 将细胞悬液接种至含有10 mL完全培养基的细胞培养瓶中，轻轻混匀。将细胞培养瓶置于37°C、5% CO₂的培养箱中培养。
8. 将细胞悬液接种至含有10 mL完全培养基的细胞培养瓶中，轻轻混匀。将细胞培养瓶置于37°C、5% CO₂的培养箱中培养。

**Incubation
Atmosphere**

37°C, 5% CO₂, 饱和湿度

Flask Coating

无需涂层

**Freezing
Procedure**

将细胞悬液接种至含有10 mL完全培养基的细胞培养瓶中，轻轻混匀。将细胞培养瓶置于37°C、5% CO₂的培养箱中培养。

**Shipping
Conditions**

将细胞悬液接种至含有10 mL完全培养基的细胞培养瓶中，轻轻混匀。将细胞培养瓶置于37°C、5% CO₂的培养箱中培养。

**Storage
Conditions**

将细胞悬液接种至含有10 mL完全培养基的细胞培养瓶中，轻轻混匀。将细胞培养瓶置于37°C、5% CO₂的培养箱中培养。

细胞冻存液

Sterility

细胞冻存液经过严格的灭菌处理，确保无菌。PCR反应液经过严格的灭菌处理，确保无菌。