

HCC1143 | 305545

General information

Description	HCC1143 is a human mammary epithelial cell line (TNBC) derived from a 52-year-old female patient with primary breast cancer (ER-, PR-, HER2-). HCC1143 cells are characterized by their ability to form mammospheres in soft agar, indicating high tumorigenicity. The cells are negative for estrogen receptor (ER), progesterone receptor (PR), and human epidermal growth factor receptor 2 (HER2). HCC1143 cells express high levels of p53 and p21, and are resistant to apoptosis. The cells are also negative for ADAM-17.
Organism	Human
Tissue	Breast
Disease	Breast cancer
Synonyms	HCC-1143, HCC1143, HCC1144

Cell characteristics

Age	52 years
Gender	Female
Ethnicity	White
Morphology	Epithelial cells
Cell type	Epithelial cells
Growth properties	High tumorigenicity

Cell culture conditions

Citation	HCC1143 (ATCC CCL-1143) Cytion 305545
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1245

Product sheet

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Cell line **HER2/neu-/-**

Protein expression	EGFR2 (EGP2), ERBB219
Oncogenes	Her2/neu-, p53+
Mutational profile	TP53, p.Arg248Gln (c.743G>A), ERBB2

Media

Culture Medium	RPMI 1640, w: 2.0 mM NaH_2PO_4 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)
Supplements	10% FBS
Dissociation Reagent	Trypsin
Subculturing	Cells are seeded into T25 flasks in 3-5 ml PBS, 300xg 3 min. Cells are seeded into T25 flasks, 300xg 3 min. Cells are seeded into T25 flasks, 300xg 3 min.
Fluid renewal	3-4 times per week
Freeze medium	Cells are seeded into T25 flasks, 300xg 3 min. Cells are seeded into T25 flasks, 300xg 3 min. Cells are seeded into T25 flasks, 300xg 3 min.

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**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到含有10 mL完全培养基的细胞培养瓶中，轻轻混匀。
2. 将细胞培养瓶放入37°C CO₂培养箱中培养，待细胞贴壁后，更换为新鲜完全培养基。
3. 待细胞贴壁后，将细胞培养瓶放入37°C CO₂培养箱中培养，待细胞贴壁后，更换为新鲜完全培养基。
4. 待细胞贴壁后，将细胞培养瓶放入37°C CO₂培养箱中培养，待细胞贴壁后，更换为新鲜完全培养基。
5. 待细胞贴壁后，将细胞培养瓶放入37°C CO₂培养箱中培养，待细胞贴壁后，更换为新鲜完全培养基。
6. 待细胞贴壁后，将细胞培养瓶放入37°C CO₂培养箱中培养，待细胞贴壁后，更换为新鲜完全培养基。
7. 待细胞贴壁后，将细胞培养瓶放入37°C CO₂培养箱中培养，待细胞贴壁后，更换为新鲜完全培养基。
8. 待细胞贴壁后，将细胞培养瓶放入37°C CO₂培养箱中培养，待细胞贴壁后，更换为新鲜完全培养基。

**Incubation
Atmosphere**

37°C, 5% CO₂, 饱和湿度

Flask Coating

无需涂层

**Shipping
Conditions**

细胞冻存管应储存在-80°C以下，运输过程中应保持在-78°C以下。

**Storage
Conditions**

细胞冻存管应储存在-80°C以下，运输过程中应保持在-78°C以下。

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Sterility

细胞冻存管在出厂前经过严格的无菌检测，确保无菌。PCR检测结果显示，细胞中不存在任何外源DNA污染。