

MH7A | 305036

Cell Line

Description	MH7A is a human breast cancer cell line derived from a 47-year-old female patient with a ductal carcinoma in situ (DCIS) of the breast. The cell line is characterized by its high tumorigenicity and its ability to form mammary tumors in nude mice. It is a highly proliferative cell line that is sensitive to anti-HER2/neu therapy. The cell line is maintained in DMEM/F12 medium supplemented with 5% fetal bovine serum (FBS) and 10 ng/ml insulin-like growth factor-1 (IGF-1). The cell line is characterized by its high tumorigenicity and its ability to form mammary tumors in nude mice. It is a highly proliferative cell line that is sensitive to anti-HER2/neu therapy. The cell line is maintained in DMEM/F12 medium supplemented with 5% fetal bovine serum (FBS) and 10 ng/ml insulin-like growth factor-1 (IGF-1).
Organism	Human
Tissue	Breast
Disease	Breast cancer (ductal carcinoma in situ (DCIS) of the breast)
Metastatic site	Not specified
Applications	Cell culture, drug screening, tumorigenicity assays, MMP/TIMP, NF-κB/JAK-STAT/MAPK

Characteristics

Age	47 years
Gender	Female
Ethnicity	Not specified
Morphology	Epithelial
Cell type	Epithelial
Growth properties	Not specified

References

Citation	MH7A (Cytion: 305036)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0427

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GMO Status	GMO-S1: 猪 MH7A 细胞株 来源于 非洲猪瘟病毒 (ASFV) T 抗原缺失 SV40。该细胞株 经 鉴定 确认为 非转基因。
Cell Line Name	猪 MH7A 细胞株
Species	猪
Culture Medium	RPMI 1640 + 2.0 mmol/L L-谷氨酰胺 + 2.0 mmol/L NaHCO ₃ (不含 HEPES 820700a 无血清培养基)
Supplements	含胎牛血清 FBS 10% 和 胰岛素 FBS
Dissociation Reagent	胰蛋白酶 5 mg/mL 37 °C 消化
Doubling time	约 24 ~ 36 h
Subculturing	用 PBS 清洗后，加入 0.25% 胰蛋白酶 37 °C 消化至完全脱落。
Split ratio	1 : 8
Seeding density	1 × 10 ⁴ - 2 × 10 ⁶ /mL
Fluid renewal	2 ~ 3 d 换液一次
Post-Thaw Recovery	解冻后置于 37 °C 培养箱中恢复 24 h 后再进行传代。
Freeze medium	含 DMSO 的 FBS (含 10% FBS) + 10% DMSO 用于冻存。

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**Thawing and
Culturing Cells**

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6. XXXX XXXXXXX XXXXXXX XXXXXXX XXX 300 × XX XXXX 3 XXXXX XXXX XXXXXXX XXXXX XXXXXXX XX XXXXXXX XXXXXXX XXXXX XXXXX XXX
7. XXXXX XXXXX XXXXX XXXXXXX XXXX XX 10 XX XX XXX XXXXX XXXX. XXXXXXX XXXXXXXX XXXXXXXXXX XX XXXXXXX XXXXXXX XXX XXXX
8. XXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXX XXXXXXX XXX XXXXXXX XXX XX XXXXXXX XXXXXXX XXXXX XXX XXXX XXXXX XXXXX XXX

**Incubation
Atmosphere**

37 XXXX XXXXXXXXXX XX XX XXXX
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**Shipping
Conditions**

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**Storage
Conditions**

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