

CellLine EFM-19 | 305540

General information

Description	EFM-19 is a human breast cancer cell line (ER+) derived from a 50-year-old female patient with primary invasive ductal carcinoma (pNR-1) and metastatic disease (pNR-2). The cell line is characterized by its high proliferation rate and sensitivity to endocrine therapy. EFM-19 is a highly proliferative cell line derived from a primary invasive ductal carcinoma (pNR-1) and metastatic disease (pNR-2). The cell line is characterized by its high proliferation rate and sensitivity to endocrine therapy. EFM-19 is a highly proliferative cell line derived from a primary invasive ductal carcinoma (pNR-1) and metastatic disease (pNR-2). The cell line is characterized by its high proliferation rate and sensitivity to endocrine therapy.
Organism	Human
Tissue	Breast
Disease	Primary invasive ductal carcinoma
Metastatic site	Metastatic disease
Synonyms	EFM19

Cell characteristics

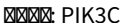
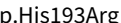
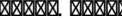
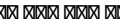
Age	50 years
Gender	Female
Morphology	Epithelial cells
Growth properties	High proliferation rate

Cell line identification

Citation	EFM-19 (Cell Line Catalogue Cytion: 305540)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0253

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XIX

Antigen expression	HER2  ER  AR  PR 
Mutational profile	 PIK3CA p.His1047Leu (c.3140A>T)  TP53 p.His193Arg (c.578A>G) 
	
Culture Medium	RPMI 1640  2.0       2.0  NaHCO ₃ (  820700a )
Supplements	  10-20%  FBS  
Dissociation Reagent	
Subculturing	   PBS     
Fluid renewal	  
Freeze medium	   (  FBS) + 10% DMSO    

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**Thawing and
Culturing Cells**

1. XXXXX XX XXXX XXXXXXXX XXXXX XXXX XXX XXXXXXXX XXX XXX XXX XXXXXXXX XXX XXX XXX XXXXXXXX XXX XXXXX XXXXXXXX XXXXXXXX XXXXXXXX
2. XXX XXXXXXXX XXX XXXXX XXXXXXXX XXXXXXXX XXX XXXXX XXX XXXX XXXXXXX XXX XX-150 XXXX XXXXX XXXXX XXXXXXX XXX XXX
3. XXXXXXXX XXXXXXXX XX XXXXXXX XXXXXXXX XXXXX XX XXXX XXXXX XX XXXX XXXX XXXXX XXXXX 37 XXXX XXXXX XXXXX XXXXX XXX
4. XXXXX XXXX XXXXXXX XXXXXXX XX XXXX XXXXX XX XXXX XXXXXXX XX XXXXX XXXXXXXX XXXXXXX XXXXX 70% XX XXXXXXXX XXX
5. XXXX XXXXXXX XXXXXXX XXXXXXX XXXXX XXXX XXXXXXX XXX XXXXX XXX XXXXX XXX 15 XX XXXXX XXX 8 XX XX XXX XXXXXXX XXX
6. XXXX XXXXXXX XXXXXXX XXXXXXX XXX 300 × XX XXXX 3 XXXXX XXXX XXXXXXX XXXXX XXXXXXX XX XXXXXXX XXXXXXX XXXX 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 XXXXXXXXXXXX XX XX XXXX
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**Shipping
Conditions**

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**Storage
Conditions**

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Sterility

XXXXXXXX XXXXXXX XXXXXXXXXX XXXXXXXXXX XX XX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXX XXXXXXXXXX XXXXXXXXXX (PCR) XXXX XXXXXXX XXX

XXXXXXXX XXX XXXX XXXX XXXXXXX XX XXXX XX XXXXX XXX XXXXX XXXXX XXXXXXX XXXXX XXXXXXX XXXXXXX