

MCF-7 | 300273

Description	MCF7		in vitro	MCF7	69
	MCF 7			MCF7 MDA-MB-231	
	MCF7				
	MCF7	2	3		
	MCF7		MCF7		in vivo

Organism

Tissue

Disease

Metastatic site

Synonyms MCF7 MCF.7 MCF7 -7 ssMCF-7 ssMCF7 MCF7/WT MCF7-CTRL IBMF-7

Age 69

Gender

Ethnicity

Morphology

Growth properties

Citation MCF-7 Cytion 300273

Biosafety level 1

MCF-7 | 300273

NCBI_TaxID 9606

CellosaurusAccession CVCL_0031

Receptors expressed

Protein expression P53 pGP9.5 CEA

Isoenzymes PGM3 1 PGM1 1-2 ES-D 1-2 AK-1 1 GLO-1 1-2 G6PD B

Oncogenes Wnt7h +, Tx-4

Tumorigenic

Products IGFBP BP-2, BP-4, BP-5

Mutational profile TP53 wt

Karyotype 3 4 2S 1 S 29 34 24 28 30 80

Culture Medium EMEM MEM Eagle w 2 mM L- w 2.2 g/L NaHCO3 w EBSS Cytion 820100a

Supplements 10% FBS 1% NEAA

Dissociation Reagent

Doubling time 24

Subculturing PBS T25 3-5ml T75 5-10ml PBS T25 1-2m

Seeding density $3 \times 10^4 / \text{cm}^2$

MCF-7 | 300273

Fluid renewal 2 3

Post-Thaw Recovery 48

Freeze medium FBS 10 DMSO

CM-1

Thawing and Culturing Cells

- 1.
2. -150 3
3. 37 40 60
4. 70
5. 8ml 15ml
6. 300 x g 3
7. 10ml 2 T25 1
- 8.

Incubation Atmosphere 37 5% CO₂

Flask Coating

Freezing Procedure -78

Shipping Conditions -78

Storage Conditions -150 -196 80

MCF-7 | 300273

HLA

Sterility

PCR

HLA

A*: '02:01:01

B*: '18:01:01, '44:02:01

C*: '05:XX

DRB1*: '03:01:01, '15:01:01

DQA1*: '01:02:01, '05:01:01

DQB1*: '02:01:01, '06:02:01

DPB1*: '02:01:02, '04:01:01

E: '01:01:01