

MCF-7 | 300273

Description	MCF7	69	MCF7
	MCF 7	, MDA-MB-231	
	MCF7		(TNF)
	MCF7	2D	3D
	MCF7		

Organism

Tissue

Disease

Metastatic site

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

Age 69

Gender

Ethnicity

Morphology

Growth properties

Citation MCF-7(300273)

Biosafety level 1

Product sheet



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

Karyotype , 2S 1% . S 29~34 , 24~28 30% , 80

Culture Medium EMEM(MEM), w: 2mM L-, w: 2.2g/L NaHCO3, w: EBSS(820100a)

Supplements 10% FBS 1% NEAA

Dissociation Reagent

Doubling time 24

Subculturing PBS . T25 3~5ml, T75 5~10ml PBS . T25

Seeding density 3×10^4 /cm²

MCF-7 | 300273

Fluid renewal 2~3

Post-Thaw Recovery 48

Freeze medium (FBS) + 10% DMSO , CM-1(Cytion 800100)

Thawing and Culturing Cells

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

Incubation Atmosphere 37°C, 5% CO₂ .

Flask Coating

Freezing Procedure -78°C .

Shipping Conditions -78°C .

Storage Conditions -150°C -196°C . 80°C .

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