

Product sheet

SW-1116 | 300348

General information

Description	Leibovitz et al. 1976. CC-5 CC-6
Organism	
Tissue	
Disease	
Synonyms	SW1116, SW 1116

Donor information

Age	73
Gender	
Ethnicity	
Morphology	
Growth properties	

Identification

Citation	SW-1116 (Cytion 300348)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0544

Characterization

Protein expression	CEA
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Isoenzymes	G6PD, B, PGM1, 1, PGM3, 1-2, 6PGD, A, ES-D, 1, PEP-D, 1
Oncogenes	Myc +, myb +, ras +, fos +, sis +, p53 +, abl -, ros -, src -
Tumorigenic	Yes, in vivo and in vitro
Reverse transcriptase	None
Products	CEA (CEA) 2654 ng/10 ⁶ cells/10 ⁶ cells, AFP
Mutational profile	SW-1116: KRAS GGT (Wt Gly) >GCT (Ala)
Characteristics	
Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L Glucose, w: 2.5 mM L-Glutamine, w: 15 mM HEPES, w: 0.5 mM Sodium Pyruvate, w: 1.2 g/L NaHCO ₃ (820400a)
Supplements	10% FBS
Dissociation Reagent	None
Subculturing	Cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. For subculturing, cells are trypsinized and resuspended in DMEM:Ham's F12 (1:1) supplemented with 10% FBS. Cells are seeded into T25 flasks at a density of 1-3 x 10 ⁶ cells per flask. Cells are cultured in DMEM:Ham's F12 (1:1) supplemented with 10% FBS.
Split ratio	1:3 or 1:6
Fluid renewal	1 x 2 days
Freeze medium	DMEM:Ham's F12 (1:1) supplemented with 10% FBS + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 µl of medium. Seed the cells into a 96-well plate.
3. Incubate the cells at 37°C in 5% CO₂. The cells should reach 70% confluency within 7-10 days.
4. Harvest the cells by trypsinization. Seed the cells into a new 96-well plate.
5. Repeat the process for the remaining vials.
6. Store the cells at -150°C for long-term storage.
7. Thaw the cells at 37°C and seed them into a 96-well plate.
8. Incubate the cells at 37°C in 5% CO₂.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating None

Freezing Procedure Freeze the cells in a freezing medium and store at -150°C.

Shipping Conditions Ship the cells at -150°C.

Storage Conditions Store the cells at -150°C for up to 196 days.

HLA

Sterility The cells are free of mycoplasmas and other contaminants. PCR screening is performed.

XXXXX SW-1116 | 300348

XXXXXX STR

Amelogenin: x,x
CSF1PO: 10,11
D13S317: 11,14
D16S539: 9,12
D5S818: 11,12
D7S820: 12
TH01: 6
TPOX: 8,11
vWA: 14,19
D3S1358: 16
D21S11: 28,29
D18S51: 13
Penta E: 10,12
Penta D: 11,13
D8S1179: 10,11
FGA: 21,22

XXXXXX HLA

A*: 23:01:01
B*: '44:03:01
C*: 04:01:01
DRB1*: 11:01:01
DQA1*: 05:05:01
DQB1*: 03:01:01
DPB1*: 04:02:01
E: 01:01:01